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USAFETAC/DS-79/023

DATA PROCESSING BRANCH  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

FORT RILEY KANSAS/MARSHALL AAF  
N 39 03 W 096 46 FLD ELEV: 1065 FT. KFRI

WRAN #13917  
WMO #72455

FOR FROM HOURLY OBS: AUG 38-JAN 46, JUL 46-MAY 50, FEB 56-DEC 72  
FOR FROM DAILY OBS: MAR 39-JAN 46, JUL 46-MAY 50, FEB 56-DEC 72

MAR 12 1975

FEDERAL BUILDING  
ASHEVILLE, N. C.

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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO                      Daily temperature                      Atmospheric pressure Snowfall                      Extreme snow depth                      Extreme surface winds Climatology                      Sea-level pressure                      Psychrometric summary Surface Winds                      Extreme temperature                      Ceiling versus visibility Relative humidity                      *Climatological data                      (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Fort Riley, Junction City, Kansas It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))		

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19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Kansas

\* Fort Riley KS

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

**PART A WEATHER CONDITIONS**

ATMOSPHERIC PHENOMENA

**PART B PRECIPITATION**

SNOWFALL

SNOW DEPTH

**PART C SURFACE WINDS**

**PART D CEILING VERSUS VISIBILITY**

SKYCOVER

**PART E DAILY MAX, MIN, & MEAN TEMP**

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

**PART F STATION PRESSURE**

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT)	CALL SIGN	WMO NUMBER
13947	FORT RILEY KANSAS/MARSHALL AAF	N 39 03	W 096 46	1072	KFRJ	72455

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	HGT. FT. TYPE BAROMETER	
1	Marshall Fld, Ft Riley Kansas	AAF	Aug 38	Mar 39	N 39 04	W 096 45	1062	1065	12
2	Same	Same	Apr 39	Jan 46	Same	Same	Same	Same	24
3	Same	Same	Jul 46	May 48	Same	Same	Same	Same	24
4	Marshall AFB, Ft Riley Kansas	AFB	Jun 48	May 50	N 39 03	W 096 46	Same	Same	24
5	Marshall AAF, Ft Riley Kansas	AAF	Feb 56	Jun 56	Same	Same	1072	1066	10 to 18
6	Same	Same	Jul 56	Jul 71	Same	Same	Same	1064	24
7	Same	Same	Aug 71	Dec 72	Same	Same	Same	Same	9 to 17

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Aug 38 to Dec 41	Not Available.	Anemometer	None	N/A	
2	Jan 42 to Dec 48	Not Available.	Selsyn	ML-144	N/A	
3	Jan 49 to May 50	Not Available	Same	Same	N/A	
4	Feb 56 to Jan 58	Located on top of Base Operations Bldg.	AN/GMQ-1	None	50 Ft	
5	Feb 58 to Jan 61	Same	AN/GMQ-11	RO-2	51.5 Ft	
6	Feb 61 to Feb 64	Located 500 ft E of centerline off N end of Rwy 18/36.	Same	Same	13 Ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		HT ABOVE GROUND
7	Mar 64 to Jan 71	Located 500 ft E of N end of Rwy 18/36.	Same	Same	Same	
8	Feb 71 to Dec 72	Same	AN/GMQ-20	RO-362	Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzles (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947 FORT RILEY KANSAS/MARSHALL AFB 38-50,56-72 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	Prec					Vis					TOTAL NO. OF OBS.
			RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZIE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	
JAN	ALL	.1	3.1	.9	6.4	.0	10.3	11.7	2.6	.9	.1	14.6	19315
FEB		.1	3.6	1.1	6.7	.0	11.2	11.7	2.0	.6	.2	14.2	17389
MAR		.4	5.2	.3	5.4	.0	10.6	8.3	2.4	.7	1.0	12.3	19214
APR		1.7	8.1	.0	.0	.0	8.6	8.4	2.0		.4	8.7	18796
MAY		2.6	7.1			.0	7.1	6.0	.8		.3	6.9	19092
JUN		4.2	7.1			.0	7.1	4.2	.9		.1	5.1	17444
JUL		3.2	4.7			.0	4.7	2.1	1.2		.0	3.2	18700
AUG		2.6	4.6			.0	4.6	4.1	1.8		.0	5.8	19297
SEP		2.3	6.3				6.3	5.9	1.7		.3	7.7	19152
OCT		1.0	5.7		.2	.0	5.9	6.9	1.7		.2	8.7	19767
NOV		.2	5.1	.1	1.9	.0	6.9	7.8	2.2	.0	.1	10.0	19292
DEC		.1	3.8	.8	5.3		9.7	12.0	2.4	.3	.1	14.1	19714
TOTALS		1.5	5.4	.3	2.2	.0	7.8	7.3	1.8	.2	.2	9.3	227172

DATA PROCESSING BRANCH  
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 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50,57-72 JAN  
STATION STATION NAME YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS. WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02	.0	3.4	1.1	6.5		10.7	11.3	1.0	1.0		12.6	2309
	03-05	.0	3.1	1.2	6.6		10.5	12.2	1.0	.9		13.4	2315
	06-08	.1	3.8	1.0	6.8		11.4	15.5	3.7	1.1		19.4	2486
	09-11		3.1	1.2	8.1		12.1	15.9	5.1	1.0		21.5	2511
	12-14	.1	2.7	.4	7.2	.0	10.2	10.5	3.3	1.1	.2	14.8	2516
	15-17	.1	2.7	.4	5.6	.1	8.7	9.2	2.7	.8	.3	12.7	2510
	18-20	.1	2.9	.9	5.2		8.9	9.1	2.2	.7	.1	11.5	2355
	21-23		3.4	1.0	5.5		9.6	9.6	1.4	.4		10.9	2313
TOTALS		.1	3.1	.9	6.4	.0	10.3	11.7	2.6	.9	.1	14.6	19315

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947  
 STATION

FURT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

39-45,47-50,36-72  
 YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.2	3.3	1.2	6.0		10.4	10.4	.8	.4		11.4	2021
	03-05	.0	3.8	1.2	6.2		10.9	12.6	.8	.6		13.7	2037
	06-08	.1	3.5	1.2	6.6	.0	11.3	17.7	2.8	.6	.1	20.5	2284
	09-11	.1	3.5	1.0	8.3		12.5	16.1	3.6	.5	.5	20.6	2281
	12-14		2.8	.8	7.1	.0	10.5	10.1	2.0	.8	.6	13.4	2279
	15-17	.0	3.7	.9	7.1		11.4	8.2	2.4	.8	.3	11.6	2275
	18-20	.1	4.1	1.2	5.8		10.8	9.2	2.6	.6	.0	12.4	2118
	21-23	.3	3.7	1.4	6.7	.0	11.5	8.9	.7	.6	.1	10.2	2094
TOTALS		.1	3.6	1.1	6.7	.0	11.2	11.7	2.0	.6	.2	14.2	17389

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### WEATHER CONDITIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 MAR  
STATION STATION NAME YEARS MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.6	4.9	.3	5.6	.0	10.7	7.4	.4	.8	.5	8.9	2285
	03-05	.5	4.9	.6	4.8		10.0	9.7	.3	.5	.4	10.8	2304
	06-08	.2	5.1	.6	5.7		11.3	13.7	3.1	.7	.4	17.8	2510
	09-11	.2	5.0	.2	6.6		11.7	11.0	4.5	.5	1.2	16.9	2507
	12-14	.3	4.4	.2	4.7		9.0	6.1	3.8	.8	1.9	12.6	2497
	15-17	.2	5.1	.1	5.0		9.8	6.1	3.2	.9	2.2	12.4	2489
	18-20	.6	5.9	.1	5.0		10.9	6.3	2.8	.6	1.2	10.8	2322
	21-23	.9	6.1	.4	5.6	.0	11.7	6.1	1.0	.6	.4	8.1	2300
TOTALS		.4	5.2	.3	5.4	.0	10.6	8.3	2.4	.7	1.0	12.3	19214

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	2.8	9.2		.7	.0	9.7	4.8	.3		.4	5.5	2242
	03-05	2.4	9.1		1.1	.0	9.9	7.9	.5		.2	8.6	2246
	06-08	1.2	7.5		.6		9.0	12.5	4.0		.0	16.0	2445
	09-11	.6	7.9		.7		8.5	7.8	3.4		.4	11.5	2456
	12-14	.6	8.0		.3		8.2	4.7	2.7		.6	8.1	2447
	15-17	.8	8.1		.3	.0	8.5	4.3	2.3		.5	7.1	2397
	18-20	2.0	7.4	.0	.3	.1	7.7	4.5	2.2		.5	7.2	2289
	21-23	2.8	7.9		.5	.0	8.3	4.4	.6		.4	5.4	2274
TOTALS		1.7	8.1	.0	.6	.0	8.6	6.4	2.0		.4	8.7	18796

DATA PROCESSING BRANCH  
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**WEATHER CONDITIONS**

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 MAY  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	4.1	8.7				8.7	6.2	.3		.1	6.6	2273
	03-05	2.9	8.2				8.2	11.4	.6		.1	11.9	2311
	06-08	2.5	8.3				8.3	12.4	1.5		.3	14.1	2484
	09-11	1.1	7.2				7.2	5.7	1.5		.4	7.5	2496
	12-14	1.5	5.8				5.8	4.0	.8		.4	5.1	2480
	15-17	2.3	6.1			.0	6.1	2.6	.8		.3	3.5	2430
	18-20	2.4	5.6				5.6	2.8	.6		.5	3.7	2330
	21-23	3.8	7.1				7.1	2.6	.4		.2	3.1	2288
TOTALS		2.6	7.1			.0	7.1	6.0	.8		.3	6.9	19092

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 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72 JUN  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	7.5	9.6				9.6	3.8	.1			4.0	2138
	03-05	6.4	10.9				10.9	8.7	.7			9.2	2146
	06-08	4.0	9.7			.0	9.7	9.7	1.9			11.4	2247
	09-11	2.1	5.6				5.6	4.1	1.4			5.3	2255
	12-14	1.2	3.7			.0	3.7	1.7	1.2		.1	3.0	2239
	15-17	2.1	4.2			.0	4.2	1.7	.7		.2	2.6	2195
	18-20	4.5	5.8			.0	5.8	1.8	.7		.2	2.6	2102
	21-23	6.1	7.0				7.0	2.4	.3			2.6	2122
TOTALS		4.2	7.1			.0	7.1	4.2	.9		.1	5.1	17444

DATA PROCESSING BRANCH  
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**WEATHER CONDITIONS**

13947

FORT RILEY KANSAS/MARSHALL AAF

39-49,56-72

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	5.8	5.7			.0	5.7	1.0	.3			1.3	2219
	03-05	6.1	8.4				8.4	4.9	1.1			5.8	2246
	06-08	3.0	6.5				6.5	6.4	2.9			8.9	2460
	09-11	1.2	4.0				4.0	1.8	1.7		.0	3.6	2462
	12-14	.9	2.7				2.7	.8	1.2			1.9	2453
	15-17	1.8	3.1			.0	3.1	.7	.9			1.7	2412
	18-20	3.0	3.2				3.2	.4	.9			1.3	2224
	21-23	3.7	3.6				3.6	.6	.8			1.3	2224
TOTALS		3.2	4.7			.0	4.7	2.1	1.2		.0	3.2	18700

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 AUG  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	3.5	5.2				5.2	3.0	.7			3.7	2271
	03-05	4.0	6.7				6.7	7.1	1.3			8.4	2325
	06-08	1.9	6.4				6.4	12.2	3.1			15.0	2517
	09-11	1.1	4.4				4.4	4.2	2.7		.0	6.8	2542
	12-14	1.0	3.3				3.3	2.0	1.6			3.6	2549
	15-17	1.8	2.8				2.8	1.2	1.9		.1	3.1	2509
	18-20	3.9	4.0				4.0	1.3	1.6			3.0	2329
	21-23	3.4	4.1			.0	4.1	1.6	1.1			2.7	2255
TOTALS		2.6	4.6			.0	4.6	4.1	1.8		.0	5.8	19297

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947 FURT RILEY KANSAS/MARSHALL AAF 38-49,56-72 SEP  
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	4.4	7.6				7.6	5.1	.6			5.6	2247
	03-05	3.1	7.8				7.8	9.1	.6			9.5	2287
	06-08	1.9	7.5				7.5	14.7	3.0		.3	17.7	2476
	09-11	.8	6.0				6.0	6.8	3.4		.4	10.3	2514
	12-14	.8	5.1				5.1	2.8	2.2		.5	5.4	2520
	15-17	1.4	4.4				4.4	2.0	1.4		.8	4.2	2496
	18-20	2.7	5.8				5.8	2.9	1.3		.3	4.5	2340
	21-23	2.9	6.3				6.3	3.7	.7		.0	4.4	2272
TOTALS		2.3	6.3				6.3	5.9	1.7		.3	7.7	19152

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947

FORT RILEY KANSAS/MARSHALL AAF

38-49,56-72

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	2.1	6.9		.2		7.1	6.5	.6			7.0	2322
	03-05	.9	6.3		.3		6.5	10.1	.3			10.4	2361
	06-08	.8	6.5		.2		6.6	15.0	2.9		.1	17.7	2554
	09-11	.2	6.0		.1		6.0	7.2	4.2		.3	11.6	2599
	12-14	.2	4.9		.2		5.1	4.3	2.3		.6	7.2	2588
	15-17	.5	4.7		.1		4.8	3.9	1.4		.3	5.7	2589
	18-20	1.5	4.7		.1	.0	4.9	3.5	1.4			4.7	2408
	21-23	1.7	5.9				5.9	4.5	.8			5.2	2346
TOTALS		1.0	5.7		.2	.0	5.9	6.9	1.7		.2	8.7	19767

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,36-72 NOV  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.2	4.7		1.8		6.4	6.5	.0	.0	.0	6.6	2250
	03-05	.1	3.9	.2	2.1		6.1	9.3	.3	.1	.1	9.7	2258
	06-08	.1	4.8	.2	1.8	.0	6.8	13.1	3.8	.1	.1	16.6	2504
	09-11	.1	4.9	.2	2.0		7.0	9.6	5.6	.1	.2	15.3	2543
	12-14	.1	4.8		1.5		6.1	5.7	3.1	.0	.2	9.0	2544
	15-17	.2	6.4		1.9		8.1	6.4	2.7		.2	9.2	2532
	18-20	.4	6.2	.0	1.9		8.1	5.8	1.3		.0	7.2	2359
	21-23	.2	5.1		2.0		6.9	5.6	.6			6.2	2302
TOTALS		.2	5.1	.1	1.9	.0	6.9	7.8	2.2	.0	.1	10.0	19292

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

13947      FURT RILEY KANSAS/MARSHALL AAF      38-49,56-72      DEC  
STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.0	4.0	.7	5.3		9.7	10.7	1.0	.3		11.3	2298
	03-05	.2	3.7	1.0	5.9		10.4	11.5	.8	.3		12.4	2309
	06-08	.1	3.4	1.2	5.0		9.5	15.1	2.7	.2	.0	17.4	2546
	09-11	.0	3.5	1.1	5.5		9.8	15.8	4.7	.2	.2	20.0	2622
	12-14	.1	3.8	.6	5.5		9.8	11.8	3.4	.3	.3	15.1	2610
	15-17	.1	4.3	.5	4.5		9.2	10.0	3.1	.3	.2	12.7	2601
	18-20	.0	4.1	.5	4.8		9.4	10.4	2.0	.3	.0	11.9	2392
	21-23		3.5	.6	5.6		9.4	10.6	1.6	.4		11.7	2336
TOTALS		.1	3.8	.8	5.3		9.7	12.0	2.4	.3	.1	14.1	19714

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 XX WEATHER CONDITIONS  
 XX XXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

13947 FORT RILEY KANSAS/MARSHALL AAF 46-50, 50-72 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	.6	17.8	6.3	24.2		34.1	28.5	9.1	3.7		33.3	648
FEB		2.0	22.0	5.2	24.7	.2	38.1	34.7	8.6	2.7		33.4	591
MAR		5.7	26.9	2.0	19.2	1.3	37.4	26.5	8.9	2.2	.5	31.1	650
APR		15.6	39.0		3.4	2.8	37.8	22.5	6.6		.2	24.6	617
MAY		25.0	47.9			2.9	44.8	24.6	4.3			26.3	623
JUN		32.0	43.9			2.4	42.0	18.9	5.8			21.6	588
JUL		28.0	39.7			1.0	37.1	15.0	6.1			17.4	622
AUG		18.5	30.8			.8	29.5	17.7	6.9			20.0	634
SEP		20.0	38.6			.2	35.5	25.9	7.0		.2	28.3	629
OCT		11.6	27.8		.5	.6	26.5	22.9	4.2		.2	24.0	637
NOV		3.2	24.3	1.0	8.9	.6	26.9	24.7	5.1	.2	.2	26.0	628
DEC		.9	20.8	3.3	18.7	.2	32.4	30.0	6.2	1.7	.2	32.0	646
TOTALS		13.6	31.6	1.5	8.7	1.1	35.2	24.3	6.6	.9	.1	26.9	7513

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST  
Jan 46-May 47 at 1230GMT  
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT  
Jul 52-May 57 at 1230GMT  
Jun 57-present at 1200GMT

4 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50, 56-72  
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
	NONE	TRACE	.01	02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00			OVER 20.00	MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	63.2	19.0	2.2	6.2	2.4	3.7	2.0	1.0	.4					17.8	830	.88	4.67	.08
FEB	57.3	21.4	2.0	4.9	4.1	3.4	2.9	1.8						19.1	734	.84	2.28	.05
MAR	55.9	14.6	1.9	5.1	3.2	5.4	4.0	1.9	1.0					23.5	835	1.73	4.01	.04
APR	57.2	13.7	2.2	6.6	3.3	6.6	5.3	3.0	1.5	.2	.1			29.8	806	2.99	12.60	.60
MAY	51.9	17.6	1.3	5.3	2.7	5.9	6.0	4.7	2.8	.6				30.3	812	3.97	7.90	.75
JUN	52.7	11.5	2.5	5.6	2.8	5.7	5.8	6.2	5.2	.8				35.5	771	5.40	10.30	.79
JUL	63.6	9.4	2.8	4.0	2.4	4.3	4.1	3.6	3.1	.8				27.0	832	3.95	10.81	TRACE
AUG	66.2	10.7	1.9	3.8	2.6	3.9	3.4	4.3	2.8	.4				23.0	851	3.30	8.56	.00
SEP	62.3	10.9	2.2	3.5	2.3	5.4	5.5	3.0	3.4	.5				26.8	939	3.60	12.38	.04
OCT	64.4	9.4	1.9	2.8	3.2	3.2	4.2	3.6	2.0	.5				21.2	854	2.84	9.65	.14
NOV	69.7	12.4	1.4	5.4	2.6	3.7	2.2	1.7	.8	.1				17.9	837	1.86	5.78	.04
DEC	63.4	18.3	2.3	4.0	2.7	4.5	2.2	1.4	.5					17.2	853	1.69	2.90	TRACE
ANNUAL	61.6	14.2	2.0	4.9	3.1	4.6	4.0	3.2	3.0	.3	.0			24.1	9857	3.11		

DATA PROCESSING BRANCH  
 USAF/ETAC/DL A  
 AIR WEATHER SERVICE/HAC

**EXTREME VALUES**  
 PRECIPITATION

(FROM DAILY OBSERVATIONS)

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 39-50, 56-72 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
30			.40	.44	1.59	1.45*	.27	.97	.25	.84*	1.23	.23	
40	.75	.51*	.18	.40*	.67	.43*	TRACE	.94	1.46	.53	1.25*	TRACE	1.46
41	.36	.29	1.00	.47	1.68*	1.22	.84	.97	1.85	3.50	.16	.92	3.40
42	.25	.30	.97	.97*	4.83	1.67	.50	1.10	3.44	1.12	.21	.80	* 4.83
43	.70	.96	.29	1.45	.60	3.86	1.80	.78	1.25	.97	.11	.75	3.86
44	.14	.30	1.10	5.22	1.65	1.39	2.61	4.76	2.16	.58	.58	1.13	5.22
45	.26	.69	.49	2.53	1.05	2.74	4.15	2.85	2.01	.27	.07	.35	4.15
46	.43						.68	1.63	1.55	1.70	1.00	.67	
47	.90	.14	1.38*	.65*	1.00*	.51*	.31*	.50	.02	.73	.47	1.54	1.54
48	.15	.86	.81	.86	.77	2.35	3.10	.70	.37	.96	.79	.15	3.10
49	1.04	.64	1.33	1.32	1.42	1.52	.81	1.50	.78	.64	.24	.56	1.52
50	.14	.36	.47	.60*	.42								
56							.03	1.16	.57	.71	.65	.47	
57	.10	.22	.97	1.15	1.94	1.44	1.97	1.29	2.12	2.01	.85	.33	2.12
58	.55	.87	.53	.70	1.03	2.54	2.12	2.05	1.53	1.45	.18	.70	2.54
59	.27	.41	.73	.46	3.15	1.28	2.83	2.15	1.05	1.72	.29	.40	3.15
60	1.06	.64	.91	.64	.98	1.08	1.22	2.06	1.98	1.20	.03	.70	2.06
61	.08	.56	.98	1.13	2.25	1.19	1.52	.50	3.07	2.69	1.24	.33	3.67
62	.30	.23	1.70	.34	3.90	1.12	.95	2.10	1.72	.94	.62	.24	3.90
63	.21	.05	1.26	.55	.55	4.23	.86	.99	1.72	.63	.60	.15	4.23
64	.24	.42	1.83	1.53	1.06	1.16	2.82	1.07	.41	.89	1.86	.75	2.82
65	1.04	.77	.50	.64	1.02	2.54	2.06	1.29	3.41	1.41	.16	1.37	3.41
66	.44	.42	.06	1.88	.53	.36	1.15	1.35	1.18	.56	.06	.80	1.88
67	.15	.06	1.18	1.05	1.16	3.70	1.21	.61	4.54	1.72	.29	.40	4.54
68	.15	.10	.04	.99	.99	.71	1.73	2.63	1.32	2.99	1.88	1.22	2.99
69	.19	.35	1.07	2.48	2.45	2.24	1.57	1.88	1.15	1.02	.09	.42	2.48
70	.40	.33	.46	1.42	2.77	1.71	1.32	1.20	1.34	1.19	.20	.09	2.77
71	.46	.75	.26	.78	2.76	1.94*	2.53	.00*	.27*	2.88*	3.71*	.12	* 3.71
77	* .12*	.08	.68	2.76*	.75	2.48*	2.24	1.35*	.92*	.46*	1.21*	.38	2.76
MEAN	.408	.436	.799	1.248	1.615	1.802	1.518	1.442	1.973	1.253	.713	.554	3.126
S. D.	.316	.271	.475	1.035	1.096	1.026	1.022	.927	1.101	.873	.794	.391	1.046
TOTAL OBS.	836	734	835	808	815	771	832	851	835	824	837	353	9859

NOTE \* (BASED ON < FULL MONTHS)

DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

19947 EPT7 RILEY KANSAS/MARSHALL AAF 39-50, 96-72  
 STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
30			1.10	1.70	3.40	5.40*	.57	4.50	.30	1.17*	1.23	.07	
31	1.10	1.23*	.40	1.32*	1.80	.79*	TRACED	3.30	1.27	1.11	2.94*	TRACED	*10.60
41	1.07	.50	1.00	2.10	5.04*	2.60	1.00	4.10	5.50	9.60	.30	1.40	*36.50
42	.23	.80	1.10	2.90*	7.70	0.40	1.10	3.00	8.90	1.70	.40	1.40	*30.80
43	1.20	1.00	.50	2.30	2.90	4.70	4.70	1.00	4.00	2.10	.10	1.00	32.10
44	.30	.70	4.00	12.60	2.00	5.10	4.70	0.50	2.00	1.00	2.30	2.90	47.80
45	.04	1.20	1.20	0.10	4.30	7.10	7.00	3.70	5.10	.40	.00	.50	38.40
46	1.00					1.20	3.90	3.90	3.90	3.80	1.60	.60	
47	.90	.20	1.00*	1.20*	1.70*	.90*	.35*	.70	.00	1.40	.70	2.30	*12.50
48	.20	2.10	2.50	2.30	1.90	10.30	9.70	1.50	.00	1.70	1.60	.40	35.60
49	4.00	.90	2.80	2.70	4.00	4.20	1.30	3.20	1.90	1.20	.20	1.00	28.60
50	.20	.70	1.00	1.00*	.70								
55						.00	3.00	.70	1.80	1.20	.50		
57	.20	.20	2.70	3.50	6.90	5.10	5.00	2.10	3.70	3.50	1.90	.60	36.00
58	1.00	1.50	2.00	1.20	2.50	0.40	10.00	4.20	5.50	1.50	.40	1.00	38.50
59	.60	.40	1.80	1.50	7.90	3.00	6.40	4.50	3.50	5.20	.40	.80	36.00
60	2.10	1.90	2.30	1.70	2.40	5.20	3.00	4.00	2.70	3.00	.00	1.50	31.50
61	.00	1.10	2.70	3.30	7.90	5.00	3.70	1.10	6.70	6.00	2.10	.70	41.60
62	.90	1.00	2.20	.60	6.50	4.00	2.40	5.20	7.00	2.50	1.50	.40	34.00
63	.00	.00	1.70	1.10	1.00	6.50	2.00	1.30	2.50	2.20	1.10	.30	21.80
64	.04	.70	2.90	5.00	2.00	5.20	8.30	4.20	.70	.10	3.50	1.20	36.10
65	1.90	2.20	1.00	1.50	3.00	10.20	3.60	2.00	7.10	3.90	.10	2.40	39.80
66	.50	.80	.10	2.40	.70	.80	1.80	4.30	1.80	1.00	.00	.70	15.00
67	.20	.10	2.30	2.70	3.00	9.80	5.00	1.90	12.30	3.20	.40	1.40	43.50
68	.20	.20	.00	3.50	3.90	2.40	3.40	5.40	1.70	4.30	2.70	1.00	29.70
69	.70	.90	2.30	4.30	5.90	6.70	5.70	2.10	2.30	5.10	.20	1.30	38.00
70	.40	.80	1.10	3.40	6.20	6.20	1.70	2.10	5.90	5.50	.60	.10	31.00
71	.50	2.70	.50	1.50	5.00	6.60*	6.80	.00*	.50*	5.00*	5.70*	.40	*35.60
72	*.20*	.10	1.00	4.70*	3.10	2.00*	0.40	3.30*	1.70*	1.60*	3.00*	.70	*30.20
MEAN	.804	.935	1.729	2.989	3.970	5.397	3.962	3.302	3.662	2.842	1.361	1.780	32.054
S. D.	.928	.657	.939	2.363	2.183	2.762	2.996	1.762	2.929	2.051	1.197	.719	8.567
TOTAL OBS.	836	734	845	806	815	771	837	851	825	854	937	853	9859

NOTE \* (BASED ON < FULL MONTHS)

4 DATA PROCESSING BRANCH  
 US&F ETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AFB 39-80, 56-77  
STATION STATION NAME YEAR

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	74.4	15.5	3.7	3.9	.8	.9	.3	.4	.2					10.2	650	4.1	9.9	.0
FEB	72.4	17.9	2.8	4.4	1.1	.9	.4	.2	.4					9.8	504	3.0	10.1	TRACE
MAR	78.7	12.3	3.7	2.6	.8	1.1	.3	.3	.4					7.3	627	3.8	17.5	.0
APR	56.3	7.7		.5	.2		.2							.2	496	.4	4.5	.0
MAY	100.0														623	.0	.0	.0
JUN	100.0														588	.0	.0	.0
JUL	100.0														638	.0	.0	.0
AUG	100.0														634	.0	.0	.0
SEP	100.0														629	.0	.0	.0
OCT	99.5	.5													627	TRACE	TRACE	.0
NOV	83.3	7.5	1.3	1.0	.5	.3	.2							3.2	628	1.6	5.1	.0
DEC	79.3	12.1	2.2	2.9	1.1	.6	.5	.3	.3					8.4	645	4.0	11.1	TRACE
ANNUAL	91.8	5.7	1.1	1.3	.4	.3	.2	.1	.1					3.4	7457	17.3		

DATA PROCESSING BRANCH  
 USAF/ETAC/HL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 SNOWFALL

(FROM DAILY OBSERVATIONS)

1947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-90, 56-72 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
33														
34														
35														
36														
37														
38														
39														
40														
41														
42														
43														
44														
45														
46	1.2						.0	.0	.0	.0	.0	.2		
47	0.0	1.4	2.9*	.0*	.0*	.0*	.0*	.0	.0	.0	1.1	7.0	9.9	
48	3.3	1.0	5.2	.0	.0	.0	.0	.0	.0	.0	.6	2.0	3.2	
49	3.6	1.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.6	
50	1.0	TRACE	4.4	TRACE*	.0	.0	.0	.0	.0	.0	.0	4.6	4.6	
51					*	.0*	.0*	.0	.0	.0	.6	3.1		
52	.9	1.4	3.4	2.1	.0	.0	.0	.0	.0	TRACE	TRACE	.1	3.4	
53	2.8	1.1	1.5	.0	.0	.0	.0	.0	.0	.0	3.6	6.8	6.8	
54	2.7	2.3	2.0	.0	.0	.0	.0	.0	.0	.0	2.9	.9	2.9	
55	5.8	7.1	9.8	TRACE	.0	.0	.0	.0	.0	.0	.1	3.0	9.8	
56	1.0	4.7	4.9	1.2	.0	.0	.0	.0	.0	.0	2.7	4.0	4.9	
57	3.0	1.6	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0	
58	3.0	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0	
59	.9	1.5	2.8	.0	.0	.0	.0	.0	.0	.0	1.0	4.9	4.9	
60	5.0	6.7	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	3.8	6.7	
61	.6	.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	9.2	9.2	
62	1.5	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE*	2.1	* 2.1	
63	2.0	1.0	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0	
64	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1	4.1	
65	4.0	TRACE	2.5	3.5	.0	.0	.0	.0	.0	TRACE	.2	.1	4.0	
66	4.6	3.1	2.6	TRACE	.0	.0	.0	.0	.0	.0*	.0*	1.3*	3.0	4.6
67	* 1.2*	2.0	TRACE	TRACE*	.0	.0*	.0	.0*	.0*	.0*	2.1*	3.3	* 3.3	
MEAN	2.81	1.91	2.30	.31	.00	.00	.00	.00	.00	TRACE	.00	3.13	4.97	
S. D.	2.226	2.060	2.420	.913	.000	.000	.000	.000	.000	.000	1.140	2.445	2.452	
TOTAL OBS.	690	564	620	391	623	580	638	634	629	617	628	649	7452	

NOTE: \* (BASED ON < FULL MONTHS)

DATA PROCESSING BRANCH  
 USAF/ETAC/3L A  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF 19-40, 56-72  
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
31													
41													
42													
43													
44													
45													
46	1.2						.0	.0	.0	.0	.0	.4	
47	9.9	1.7	3.5*	.0*	.0*	.0*	.0*	.0	.0	.0	1.4	11.1	* 27.0
48	9.1	2.8	11.9	.0	.0	.0	.0	.0	.0	.0	.6	5.3	26.7
49	9.4	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.8	16.6
50	1.0	TRACE	6.7	TRACE*	.0								
51													
52	2.4	1.7	3.4	2.1	.0*	.0*	.0	.0	.0	.0	TRACE	TRACE	3.9
53	6.3	3.0	3.7	.0	.0	.0	.0	.0	.0	.0	3.6	9.2	26.4
54	3.7	2.7	3.0	.0	.0	.0	.0	.0	.0	.0	3.4	1.5	17.1
55	1.0	12.1	17.5	TRACE	.0	.0	.0	.0	.0	.0	.1	3.8	45.3
56	1.0	7.2	6.8	1.2	.0	.0	.0	.0	.0	.0	2.7	7.2	26.1
57	5.5	4.0	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	3.9	13.4
58	6.9	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.2	11.1
59	1.7	1.7	5.9	.0	.0	.0	.0	.0	.0	.0	1.2	4.7	15.4
60	2.2	11.7	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.6	24.2
61	.8	.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	10.5	12.0
62	1.7	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE*	3.7	5.9
63	3.3	4.2	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.5
64	1.1	.7	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	10.1	12.1
65	5.2	TRACE	3.9	4.5	.0	.0	.0	.0	.0	.0	TRACE	.3	14.0
66	5.3	7.1	3.6	TRACE	.0	.0	.0	.0	.0	.0	* 1.5*	3.0	* 20.0
67	* 1.4*	3.7	TRACE	TRACE*	.0	.0*	.0	.0*	.0*	.0*	* 5.1*	* 5.5	* 15.2
68													
69													
70													
71													
72													
MEAN	4.14	3.61	3.80	.43	.00	.00	.00	.00	.00	TRACE	.59	4.64	18.32
S D.	2.842	4.526	4.412	1.101	.000	.000	.000	.000	.000	.000	1.475	3.407	9.373
TOTAL OBS.	650	564	620	590	622	588	638	634	629	637	628	648	7452

NOTE \* (BASED ON < FULL MONTHS)

4 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

13947 FORT KILEY KANSAS/MARSHALL AFB 49-50, 56-72  
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	52.9	17.3	9.6	4.0	4.3	5.9	4.1							29.8	537			
FEB	66.6	13.6	6.6	3.7	2.4	4.7	4.1	.3						19.7	763			
MAR	80.9	4.1	4.3	1.6	2.9	1.7	2.4	1.2						13.1	267			
APR	93.7	1.1	.1	.1										.2	831			
MAY	100.0														847			
JUN	100.0														801			
JUL	100.0														666			
AUG	100.0														303			
SEP	100.0														837			
OCT	99.9	.1													954			
NOV	94.2	3.5	1.7	.5	.1	.1								7.4	839			
DEC	66.8	10.0	3.1	5.2	4.9	6.4	1.6							23.2	262			
ANNUAL	88.3	4.3	2.3	1.3	1.1	1.6	.8	.1						7.6	10002			

DATA PROCESSING BRANCH  
USAF/ETAC/OL A  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50, 56-72  
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS		
35			5	0	0	0	0	0	0	0	0	0	9		
40			2	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>9</td>	0	0	0	0	0	0	0	0	9		
41			9	0	0	0	0	0	0	TRACE </td <td>0</td> <td>2</td> <td>9</td>	0	2	9		
42			4	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>TRACE<!--</td--><td>9</td><td>9</td></td>	0	0	0	0	0	0	TRACE </td <td>9</td> <td>9</td>	9	9		
43			4	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>TRACE<!--</td--><td>9</td><td>9</td></td>	0	0	0	0	0	0	TRACE </td <td>9</td> <td>9</td>	9	9		
44			3	0	5	0	0	0	0	0	TRACE </td <td>5</td> <td>9</td>	5	9		
45	TRACE		9	1	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>9</td>	0	0	0	0	0	0	1	9		
46			1									0	TRACE		
47	10		1	3	0	0	0	0	0	0	0	1	7	10	
48			5	9	0	0	0	0	0	0	0	TRACE	3	9	
49			4	1	10	0	0	0	0	0	0	0	5	10	
50			10	TRACE </td <td>4</td> <td>TRACE*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	4	TRACE*									
54			1*	1*	2*	0*	0*	0	0	0	0	1	3		
57			1	3	2	0	0	0	0	0	0	TRACE	1	3	
58			6	2	2	0	0	0	0	0	0	4	2	6	
59			5	2	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>3</td> <td>9</td>	0	0	0	0	0	0	2	3	9	
60			6	12	19	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>TRACE</td> <td>3</td> <td>19</td>	0	0	0	0	0	TRACE	3	19	
61			1	7	4	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>TRACE</td> <td>9</td> <td>7</td>	0	0	0	0	0	TRACE	9	7	
62			4	2	2	0	0	0	0	0	0	0	3	4	
63			4	1	TRACE </td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>4</td>	0	0	0	0	0	0	0	2	4	
64			1	1	1	0	0	0	0	0	0	1	5	5	
65			1	1	1	0	0	0	0	0	0	0	2	7	
66			1	0	1	0	0	0	0	0	0	0	10	10	
67			6	0	1	0	0	0	0	0	0	0	3	6	
68			3	2	0	0	0	0	0	0	0	0	TRACE	3	
69			2	3	3	0	0	0	0	0	0	0	4	7	
70			4	0	1	1	0	0	0	0	0	0	TRACE	4	
71			5	1	3	0	0	0	0	0*	0*TRACE	0*TRACE		11	
72	*		1*	2	0	0*	0	0*	0	0*	0*	2*	4	*	4
MEAN	4.3	3.4	3.5	.1	.0	.0	.0	.0	.0	TRACE	.0	3.9	7.5		
S.D.	2.906	3.577	4.141	.416	.000	.000	.000	.000	.000	.000	1.000	7.872	3.453		
TOTAL OBS.	836	763	867	831	843	801	860	868	839	854	830	862	10682		

NOTE \* (BASED ON < FULL MONTHS)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 SURFACE WINDS

(FROM DAILY OBSERVATIONS)

1967 FORT RILEY KANSAS/MARSHALL AAF 62-80, 58-72  
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41													
42													
43													
44													
45													
46	SW 37						SE 34		NE 43	SSW 47	SSE 45		
47		NNE*20	SW 43	SSE*44	NNE*44	SSE*44	SSW*45	SW*45	SE 52	NNW 53	SW 53		
48	NW 38	SSW 44	SSW 47	SSE 48	NNE 48	SSW 48	SE 48	SSW 48	SSW 54	SSW 53	SSW 51	S 51	67
49	SW 38	SSW 42	SW 42	NNE 42	SE 42	NNE 42	SSW 42	SE 42	SSW 42	SSE 47	NNW 46	SW 45	59
50	S 49	S 40	SSW 64	NW 50	WSW*50								
51		E *32	NNE 29	SSE 50	W 30	SSW 53	SE 55	SSW 30	SSW 43	SSW 49	SSE 39		
52	NW 40	SSW 39	NNE 42	SSW 42	SE 43	47	SW 54	NNW 47	SSE 40	NNW 41	NNW 37	SSW 41	S 69
53	SW 46	NNW 31	SSE 52	SSW 48	SE 45	40	SSW 32	SSW 34	N 31	NNW 32	SW 47	SE 32	E 52
54	N 37	NNW 31	SSW 37	NNW 33	SE 36	NE 44	NW 39	NW 42	S 41	SSE 41	NNW 39	NE 36	NE 44
55	S 40	N 39	S 35	SW 40	NNE 43	SW 42	NW 40	S 33	S 36	S 36	NNW 32	NW 39	S 44
56	S 34	N 39	S 47	SSW 44	SSW 34	NNW 43	SW 29	SW 27	SSW 34	NNW 37	N 31	S 31	S 47
57	S 36	SSW 47	S 45	S 40	S 43	SSW 37	SSE 36	SSW 34	SSW 49	SSW 37	NNW 38	SSW 40	S 43
58	N 40	NNW 42	NNW 40	SSE 42	WSW 44	NNW 52	SW 38	WSW 34	WSW 40	SW 40	S 33	S 45	WSW 52
59	SSW 32	N 40	NNW 55	NNW 53	S 46	S 40	NW 41	E 39	SW 31	SW 44	NNW 37	S 34	NW 53
60	N 40	N 47	S 48	N 48	N 40	NNW 49	NE 43	NNW 26	NNW 31	S 43	SSW 29		NW 49
61	N 33	SSE 35	S 45	SSE 40	NNW 47	NNW 42	SE 42	SE 34	SE 34	SE 34	SE 45	SE 47	SSE 47
62	35/ 31	33/ 31	36/ 38	24/ 43	16/ 42	5/ 58	34/ 34	16/ 29	30/ 30	17/ 30	18/ 40	28/ 42	30/ 51
63	21/ 26	35/ 37	36/ 35	26/ 44	34/ 51	27/ 47	36/ 60	34/ 41	30/ 47	19/ 43	23/ 50	30/ 43	36/ 60
64	35/ 19	38/ 40	32* 22	24/ 44	12/ 55	28/ 43	34/ 55	15/ 47	20/ 31	20* 40	18/ 37	21* 42	32* 60
65	19/ 26	21/ 40	22/ 44	12/ 55	17/ 43	19/ 30	23/ 39	17/ 54	18/ 34	18/ 31	17/ 31	19/ 34	12/ 59
66													
67													
68													
69													
70													
71													
72													
MEAN	37.7	36.4	46.2	46.1	45.0	45.8	41.3	36.3	39.5	41.1	39.6	40.7	53.0
S. D.	6.587	6.696	10.168	9.021	7.944	7.152	8.131	7.203	7.827	6.222	7.982	7.125	6.802
TOTAL OBS.	553	494	583	568	349	535	368	539	505	571	364	344	6635

NOTES \* (BASED ON < FULL MONTHS)  
 † (BASED ON < FULL MONTHS AND +100 KNOTS)

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

30-50,56-72  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	2.6	1.7	.4	.1	.0	.0				7.5	8.9
NNE	.0	1.4	1.9	1.1	.3	.1	.0					5.6	8.4
NE	1.2	1.7	2.2	.9	.2	.0	.0	.0				6.2	7.6
ENE	.4	.9	1.2	.5	.1	.0	.0		.0			3.1	7.7
E	.6	1.1	1.3	.5	.1	.0	.0	.0				3.7	7.2
ESE	.3	.7	1.0	.6	.1	.0	.0	.0				2.7	8.4
SE	.4	.9	1.8	1.2	.3	.1	.0	.0	.0			4.7	9.5
SSE	.3	.8	1.8	1.8	.7	.3	.1	.0	.0			5.7	11.6
S	.9	1.4	2.7	3.4	1.5	.7	.2	.0	.0			10.7	11.9
SSW	.8	1.6	2.3	2.4	1.3	.7	.2	.0	.0			9.3	11.9
SW	1.5	2.2	2.4	1.3	.5	.2	.1	.0	.0			6.3	8.6
WSW	.7	1.2	1.1	.4	.1	.0	.0	.0	.0			3.5	7.1
W	.6	.9	.9	.3	.1	.0	.0	.0	.0	.0		2.8	6.9
WNW	.3	.5	.7	.4	.1	.0	.0	.0				2.1	3.4
NW	.4	.5	1.3	.8	.2	.0	.0	.0	.0			3.5	8.8
NNW	.4	.9	1.6	1.1	.3	.1	.0	.0	.0			4.3	9.4
VARBL													
CALM												16.4	
	10.6	18.8	26.6	18.4	6.1	2.3	.5	.1	.0	.0		100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 227169

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	3.3	2.9	.9	.2	.0					10.4	9.9
NNE	.8	1.5	2.0	1.4	.4	.1	.0					6.2	8.8
NE	1.1	1.8	1.9	.9	.1	.0	.0					5.8	7.3
ENE	.4	.7	.8	.4	.0	.0						2.3	7.2
E	.7	.8	.9	.2	.0							2.6	6.0
ESE	.2	.3	.5	.3	.1	.0						1.4	8.6
SE	.3	.6	.8	.7	.2	.0						2.5	9.2
SSE	.2	.5	.8	.6	.3	.1	.0	.0				2.5	11.0
S	.0	1.4	1.0	1.4	.6	.4	.1	.0				6.5	10.3
SSW	.9	2.2	2.9	2.3	1.1	.3	.1	.0				9.9	10.1
SW	2.1	3.8	4.0	1.6	.3	.1	.1	.0	.0			12.0	7.5
WSW	1.1	1.7	1.7	.5	.0	.0	.0					5.1	6.6
W	.7	1.2	1.1	.3	.0	.0						3.3	6.2
WNW	.3	.7	.6	.5	.1	.0						2.5	8.0
NW	.2	1.2	1.8	1.1	.2	.0						4.9	8.5
NNW	.4	1.1	2.3	1.8	.4	.1						6.1	9.9
VARBL													
CALM												15.9	
	11.6	21.7	27.4	16.8	4.8	1.5	.2	.1	.0			100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 19314

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	3.0	3.2	.8	.2	.0	.0				11.1	9.8
NNE	.9	1.6	2.2	2.0	.4	.1						7.3	9.2
NE	1.1	1.7	2.9	1.3	.2	.0						7.3	8.1
ENE	.3	.8	1.6	.8	.1	.0						3.4	8.2
E	.6	1.0	1.7	.8	.1	.0						4.3	8.4
ESE	.7	.4	.7	.4	.1	.0						2.0	9.2
SE	.2	.3	1.0	.5	.1	.0	.0	.0				2.4	9.1
SSF	.1	.3	.8	.3	.3	.0	.0					2.7	10.7
S	.6	1.0	1.5	1.6	.6	.2	.0	.0	.0			3.4	10.4
SSW	.8	1.5	2.1	1.9	.9	.5	.2	.0				7.9	11.0
SW	1.4	2.7	2.8	1.6	.3	.1	.1	.0				8.9	8.0
WSW	.8	1.3	1.5	.8	.1	.0	.3					4.0	7.1
W	.6	1.2	1.1	.5	.1							3.4	7.1
WNW	.3	.7	.9	.5	.1			.0				2.9	8.1
NW	.6	1.0	1.7	.8	.1	.0		.0				4.3	8.1
NNW	.5	1.2	2.2	2.0	.6	.2	.0	.0				6.7	10.7
VARBL													
CALM												19.7	
	10.2	19.8	28.3	19.2	5.0	1.4	.3	.1	.0			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 17485

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.8	3.2	2.0	.9	.2	.0					9.7	10.0
NNE	.8	1.5	2.6	2.0	.7	.2	.0					7.9	10.1
NE	.8	1.5	3.0	2.0	.6	.2	.0					8.0	9.7
ENE	.3	.9	1.3	1.0	.2	.1	.0					3.9	9.5
E	.4	.9	1.3	.7	.1		.0					3.4	8.2
ESE	.2	.5	.9	.6	.1	.0						2.3	9.6
SE	.3	.4	1.0	1.1	.2	.0	.0					3.1	9.9
SSE	.1	.3	.6	1.2	.6	.3	.1	.1				3.6	14.1
S	.9	.8	1.1	1.9	1.9	1.1	.4	.1				7.3	15.0
SSW	.7	1.1	1.9	1.8	1.9	1.2	.6	.1	.0			8.5	14.4
SW	1.4	1.6	1.9	1.0	.7	.3	.1	.0				7.0	9.5
WSW	.5	1.3	1.6	.5	.2	.1	.0	.0	.0			4.3	8.4
W	.5	1.0	1.1	.7	.1	.0	.0	.0	.0			3.5	8.2
WNW	.2	.8	1.3	1.1	.3	.1	.0					3.8	10.1
NW	.4	.9	2.0	1.7	.9	.1	.0					5.8	10.5
NNW	.5	1.1	2.2	1.7	.0	.2	.0					6.5	10.6
VARBL													
CALM												11.4	
	8.5	16.4	26.9	21.7	9.1	4.2	1.4	.4	.0			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 19225

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
MOVS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	2.6	2.0	.9	.2	.0					7.5	9.8
NNE	.7	1.5	2.3	1.6	.9	.2	.0					6.8	9.7
NE	1.0	1.6	2.2	1.4	.9	.1	.0					7.0	8.9
ENE	.4	1.1	1.9	1.1	.4	.1	.0		.0			5.0	9.8
E	.6	1.1	1.7	1.2	.3	.1	.0					4.9	9.1
ESE	.2	.6	1.1	1.0	.2	.1	.0					3.2	10.0
SE	.3	.5	1.7	1.0	.6	.2	.0	.0	.0			4.9	11.3
SSE	.2	.6	1.4	1.2	1.1	.6	.2	.0	.0			5.9	13.9
S	.4	.8	1.6	2.6	2.0	1.2	.4	.0	.0			9.0	14.8
SSW	.9	1.0	1.4	1.9	2.0	1.4	.6	.1				8.8	15.4
SW	1.0	1.3	1.4	1.3	.8	.3	.1	.0				6.2	10.2
WSW	.5	.8	.9	.7	.3	.1						3.1	9.0
W	.5	.6	1.0	.8	.3	.1						3.2	9.4
WNW	.2	.6	.9	.7	.2	.0	.0	.0				2.6	9.9
NW	.3	.7	1.2	1.3	.4	.0						4.5	10.6
NNW	.3	.9	1.4	1.3	.9	.1						5.2	10.4
VARBL													
CALM												12.2	
	7.7	15.0	25.5	22.6	10.6	4.7	1.4	.1	.0			100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 18797

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

STATION 13947 STATION NAME FURT RILEY KANSAS/MARSHALL AAF YEARS 39-43, 47-50, 56-72 MONTH MAY

CLASS ALL WEATHER HOUR(S) (L.S.T.) ALL

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	2.3	1.1	.3	.1	.0					6.3	8.3
NNE	.7	1.3	1.7	1.1	.2	.0	.0					5.1	8.4
NE	1.2	1.6	2.3	.8	.1	.0		.0				6.1	7.3
ENE	.4	1.0	1.5	.5	.1							3.4	7.5
E	.6	1.4	1.6	.7	.1	.0	.0	.0				4.4	7.6
ESE	.3	.9	1.4	1.0	.2	.0						3.8	9.2
SE	.5	1.1	2.4	1.7	.4	.1	.0					6.0	9.6
SSE	.3	.8	2.3	2.7	1.0	.4	.1	.0				7.6	12.1
S	.7	1.2	2.8	5.0	2.3	.8	.2	.0				13.1	13.0
SSW	.8	1.2	1.8	2.3	1.4	.8	.3	.1	.0			8.7	12.9
SW	1.5	1.9	2.2	1.5	.6	.3	.1	.0				8.1	8.9
WSW	.4	.9	.9	.4	.1	.1	.0	.0				2.8	7.9
W	.5	1.0	1.1	.4	.1	.1						3.1	7.7
WNW	.3	.6	.8	.4	.1	.0						2.2	8.5
NW	.3	.7	1.1	.6	.1	.0	.0		.0			2.8	8.6
NNW	.3	.8	1.5	.6	.2	.0	.0					3.7	8.9
VARBL													
CALM												12.6	
	9.8	18.1	27.7	20.9	7.3	2.8	.7	.1	.0			100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 19088

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-77  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	1.9	.8	.1	.0	.0	.0				5.4	7.4
NNE	.7	1.4	1.7	.6	.1	.0						4.6	7.4
NE	1.1	1.8	2.0	.6	.0							5.5	6.6
ENE	.5	1.1	1.4	.6	.0							3.6	7.4
E	.8	1.4	1.5	.6	.1	.0						4.4	7.1
ESE	.5	1.0	1.6	.7	.2	.0						4.0	8.3
SE	.6	1.6	2.6	1.7	.4	.1	.0					7.1	9.4
SSE	.5	1.4	3.2	3.7	1.2	.3	.0					10.2	11.3
S	.9	2.0	4.2	6.0	2.2	.7	.1	.0				16.3	11.9
SSW	.6	1.2	2.2	2.3	1.2	.6	.1	.0				8.3	12.0
SW	1.2	1.4	1.7	.8	.6	.1	.0					5.8	8.4
WSW	.4	.8	.6	.2	.0	.0						2.0	6.5
W	.6	.6	.7	.1	.0		.0			.0		2.0	6.1
WNW	.2	.4	.5	.1	.0							1.3	6.8
NW	.5	.6	.8	.3	.0	.0						2.2	7.0
NNW	.4	.8	1.0	.4	.1		.0		.0			2.6	7.5
VARBL													
CALM												14.7	
	10.6	18.9	27.7	19.6	6.3	1.8	.4	.0	.0	.0		100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 17441

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

STATION 13947 STATION NAME FURT RILEY KANSAS/MARSHALL AAF YEARS 39-49,56-72 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	1.3	.4	.0	.0						4.4	6.2
NNE	1.0	1.4	1.3	.4	.0							4.1	6.4
NE	1.4	2.1	2.0	.6	.0	.0						6.1	6.5
ENE	.6	1.4	1.1	.2	.0							3.3	6.2
E	1.0	2.0	1.6	.4	.0							5.1	6.3
ESE	.5	1.3	1.0	.6	.0	.0		.0				4.2	7.5
SE	.7	1.9	3.1	1.7	.2	.1						7.8	8.7
SSE	.9	1.3	3.3	2.4	.4	.2	.0					8.2	10.2
S	1.2	2.0	5.0	5.0	1.3	.3						15.4	10.2
SSW	1.0	1.7	3.2	3.0	.9	.2	.0					10.1	10.1
SW	1.3	1.6	2.1	1.3	.5	.1	.0					7.0	8.7
WSW	.5	.6	.5	.1	.0	.0						1.8	6.2
W	.5	.5	.4	.1	.0		.0					1.4	5.5
WNW	.2	.2	.2	.0	.0							.5	5.6
NW	.2	.4	.3	.1	.0	.0						1.1	6.3
NNW	.4	.6	.5	.1	.0							1.6	6.3
VARBL													
CALM												17.9	
	12.0	21.0	27.7	16.6	3.9	.9	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 18697

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.5	1.4	.4	.1	.0	.0					4.9	6.7
NNE	1.1	1.3	1.4	.4	.1		.0					4.3	6.5
NE	1.4	1.9	2.2	.7	.1							6.3	6.7
ENE	.6	1.3	1.0	.3	.0	.0						3.3	6.3
E	.9	1.6	1.8	.4	.0	.0						5.0	6.5
ESE	.5	1.2	1.6	.7	.1	.0						4.1	7.7
SE	.8	1.4	3.2	1.9	.5	.1						8.0	9.2
SSE	.4	1.3	3.2	2.9	.9	.2	.0					8.9	10.7
S	1.2	1.9	4.2	4.4	1.3	.3	.0	.0				13.8	10.7
SSW	.8	1.8	3.1	3.5	1.2	.4	.0					10.9	10.9
SW	1.2	1.5	1.7	1.2	.3	.1						6.1	8.3
WSW	.4	.7	.5	.2	.0	.0						1.9	6.3
W	.5	.6	.4	.1	.0							1.6	3.3
WNW	.2	.2	.2	.1	.0							.8	6.1
NW	.3	.5	.3	.1	.0	.0	.0					1.2	6.1
NNW	.3	.4	.5	.2	.0							1.4	6.9
VARBL													
CALM												17.4	
	11.9	19.6	26.9	18.1	4.5	1.2	.1	.0				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 19297

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.8	2.4	1.2	.2	.0						6.9	7.8
NNE	.9	1.6	1.8	.9	.2	.0	.0					5.4	7.9
NE	1.5	2.0	2.2	.7	.1	.1				.0		6.6	7.0
ENE	.6	1.1	1.3	.4	.0	.0						3.5	7.1
E	.8	1.3	1.5	.3	.0							4.0	6.4
ESE	.3	.8	1.1	.5	.1	.0	.0					2.8	8.0
SE	.0	1.1	2.2	1.4	.3	.0						5.5	9.0
SSE	.3	.9	2.4	2.3	1.0	.3	.0					7.3	11.7
S	1.0	1.5	3.2	5.1	2.2	1.2	.2	.0				14.5	12.7
SSW	.7	1.1	2.0	2.7	1.7	.8	.1	.0				9.1	12.7
SW	1.2	1.5	1.8	1.3	.5	.4	.0					6.8	9.5
WSW	.4	.7	.6	.2	.0	.0	.0					2.0	6.8
W	.5	.6	.4	.1	.0							1.6	5.5
WNW	.2	.3	.3	.1	.0							.9	6.7
NW	.2	.6	.7	.2	.0							1.7	7.2
NNW	.3	.6	1.0	.4	.1	.0						2.3	8.1
VARBL													
CALM												19.3	
	10.5	17.4	25.0	17.8	6.5	3.0	.4	.0		.0		100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 19152

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49, 56-72 YEARS MONTH OCT  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.8	2.6	1.7	.4	.1						7.6	8.6
NNE	.9	1.5	2.0	.7	.1	.0						5.1	7.4
NE	1.2	1.5	1.7	.5	.1	.0						5.9	6.7
ENE	.2	.5	.7	.3	.0							1.8	7.3
E	.5	.7	.7	.3	.0							2.2	6.6
ESE	.2	.6	.7	.4	.1							1.9	7.9
SE	.4	.7	1.4	1.2	.4	.2	.0	.0				4.2	10.7
SSE	.2	.6	1.6	1.6	.6	.3	.1	.0				5.0	12.2
S	1.1	1.3	2.9	3.9	1.8	1.1	.1	.0				12.3	12.4
SSW	.6	1.6	2.5	2.7	1.3	.7	.2	.0				9.6	11.8
SW	1.6	2.3	2.7	1.4	.9	.4	.1					9.6	9.3
WSW	1.0	1.3	1.0	.5	.1	.0						3.9	6.7
W	.7	.9	.8	.2	.1	.0						2.7	6.3
WNW	.3	.5	.7	.3	.1	.0						1.9	7.6
NW	.4	.8	1.1	.5	.1	.0						3.0	8.3
NNW	.4	1.0	1.4	.6	.1	.0						3.5	8.1
VARBL													
CALM												20.5	
	10.9	17.7	24.4	17.0	6.1	2.9	.5	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 19765

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.T.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.5	3.0	2.0	.4	.1	.0					3.0	9.2
NNE	.8	.9	1.4	1.1	.2							4.4	8.1
NE	1.0	1.3	1.3	.7	.1							4.3	7.1
ENE	.4	.5	.7	.3	.0							2.0	7.2
E	.5	.6	.5	.1	.0							1.8	6.0
ESE	.3	.4	.6	.2	.0	.0						1.6	8.0
SE	.2	.5	1.0	.6	.2	.0						2.5	9.3
SSE	.2	.6	1.1	1.1	.4	.2	.0					3.5	11.3
S	.9	1.3	2.0	2.2	1.0	.5	.1	.0				8.3	11.2
SSW	.9	2.0	2.6	2.3	1.2	.6	.3	.1	.0			10.0	11.4
SW	1.9	3.0	3.2	1.4	.5	.2	.1	.0				10.3	8.2
WSW	.9	1.6	1.5	.6	.1	.0	.0					4.7	7.0
W	.7	1.2	1.4	.3	.0	.0						3.9	6.5
WNW	.4	.9	1.1	.4	.1	.0						2.9	7.8
NW	.9	1.4	1.9	1.1	.3	.0						5.3	8.8
NNW	.5	1.0	2.4	1.9	.6	.1						6.4	10.0
VARBL													
CALM												20.1	
	11.1	18.9	25.9	16.4	5.1	1.9	.6	.1	.0			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 19292

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.8	3.1	1.7	.5	.1	.0					8.1	9.0
NNE	.8	1.6	2.1	1.3	.2	.1	.0					6.1	8.3
NE	1.1	1.8	2.2	.9	.2	.0						6.1	7.7
ENE	.5	.7	.9	.3	.0	.0	.0					2.5	7.1
E	.4	.6	.9	.5	.1	.0						2.4	7.8
ESE	.3	.4	.5	.3	.1	.0						1.6	7.6
SE	.3	.5	.8	.4	.1	.0						2.0	8.4
SSE	.2	.3	1.0	.7	.2	.2	.0					2.9	10.2
S	.8	1.4	1.7	1.5	.5	.2	.1	.0				6.4	10.2
SSW	1.0	2.3	2.3	2.0	.9	.5	.1	.0	.0			9.2	10.5
SW	2.2	3.0	3.0	1.6	.7	.2	.0	.0				11.3	7.9
WSW	1.1	2.2	1.5	.4	.1	.0						5.4	6.3
W	.9	1.3	1.3	.3	.1	.0						7.9	6.3
WNW	.4	.6	1.1	.5	.1	.0	.0					2.8	8.6
NW	.6	1.2	1.8	1.1	.3	.1	.0					5.2	9.1
NNW	.6	1.0	2.2	1.3	.2	.0	.0					5.4	9.0
VARBL													
CALM												18.8	
	12.1	21.2	26.5	14.9	4.3	1.7	.3	.1	.0			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

19716

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-71  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.2	3.6	2.9	.8	.1						10.9	9.3
NNE	.8	1.7	2.2	1.0	.2							5.9	7.7
NE	1.0	1.3	1.7	.6	.0	.0	.0					5.0	7.2
ENE	.9	.0	.7	.3	.1							2.3	7.1
E	.6	.8	.6	.2								2.2	5.5
ESE	.1	.3	.3	.2	.0							1.0	8.2
SE	.3	.4	.4	.3	.1							1.6	7.8
SSE	.3	.4	.6	.4	.3	.3						2.5	10.8
S	.8	1.3	1.6	1.3	.4	.4	.2	.1				6.5	10.6
SSW	.7	2.4	2.3	1.4	1.0	.4	.1	.0				9.6	10.0
SW	2.6	4.4	3.6	1.3	.2	.0						12.2	6.7
WSW	1.4	1.7	.9	.3								4.3	5.6
W	.6	.7	.5	.2								2.0	5.7
WNW	.4	.8	.6	.2								1.9	6.1
NW	.5	.9	1.6	1.0	.2	.0						4.2	8.7
NNW	.7	1.0	1.6	1.3	.2							4.7	8.8
VARBL													
CALM												23.9	
	12.7	21.7	23.2	13.0	3.6	1.4	.3	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2303

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	3.5	2.3	.7	.2						9.8	9.3
NNE	1.1	1.6	2.0	1.3	.3	.1						6.6	8.1
NE	1.5	1.8	1.8	.6	.2	.0						5.9	6.7
ENE	.6	.6	.6	.4	.1							2.3	6.9
E	.7	.7	.8	.2								2.5	5.8
ESE	.3	.3	.4	.3								1.3	7.5
SE	.2	.3	.4	.3	.0							1.7	7.7
SSE	.2	.4	.3	.4	.4	.1						1.9	11.1
S	.7	1.6	1.7	1.3	.3	.7	.0					6.3	10.3
SSW	1.4	2.1	1.9	1.4	1.0	.4		.0				8.2	9.5
SW	2.8	4.4	3.0	1.1	.2	.0						11.4	6.3
WSW	1.0	1.6	1.5	.3								4.4	6.1
W	.9	.8	.7	.1								2.6	5.5
WNW	.2	.6	.5	.3	.0							1.7	7.7
NW	1.0	1.1	1.6	.9								4.5	7.4
NNW	.5	1.2	2.1	1.2	.5							5.4	5.3
VARBL													
CALM												23.4	
	14.1	21.9	22.9	12.4	3.7	1.6	.0	.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2315

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.5	3.2	2.2	.8	.2						9.9	9.3
NNE	1.1	1.9	1.6	1.7	.5	.0						6.9	8.6
NE	1.6	2.0	1.8	.9	.2							6.4	5.8
ENE	.4	.6	.6	.7	.2							2.1	7.2
E	.6	.8	1.2	.2	.0							2.9	6.6
ESE	.2	.5	.3	.1	.1							1.2	7.6
SE	.1	.4	.8	.4	.0							1.8	8.5
SSE	.1	.3	.6	.6		.1						1.6	10.5
S	1.0	1.6	1.2	1.0	.6	.2	.1	.0				5.9	9.7
SSW	.9	2.4	2.5	1.8	.6	.2	.1	.0				8.4	9.2
SW	3.0	4.9	3.3	.8	.3	.2						12.5	6.4
WSW	1.2	1.6	1.5	.2								4.4	5.6
W	.8	1.0	.6	.2	.0							2.9	5.5
WNW	.5	.7	.6	.2	.0							2.0	6.3
NW	.4	1.5	1.6	.6	.2	.1						4.4	8.1
NNW	.2	1.0	1.7	1.2	.4	.0						4.6	9.7
VARBL													
CALM												21.9	
	13.3	23.8	23.4	12.1	4.0	1.2	.2	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2487

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13547 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      39-50,57-72 YEARS      JAN MONTH  
ALL WEATHER CLASS      0900-1100 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.6	4.0	3.1	1.0	.2						10.5	10.4
NNE	1.2	1.1	1.9	1.7	.9	.3	.0					6.7	9.4
NE	1.1	2.3	2.3	1.2	.3							7.2	7.9
ENE	.2	.6	.6	.3								1.8	7.5
E	.0	.9	.8	.3								2.6	6.0
ESE	.3	.4	.8	.4		.1						2.0	8.8
SE	.1	.6	.8	.9	.3	.0						2.7	10.7
SSE	.0	.4	.9	.6	.2	.1	.1					2.3	11.9
S	.4	1.0	1.8	1.3	.8	.4	.0	.0				5.8	10.9
SSW	1.1	1.7	3.1	2.8	1.3	.2	.1	.0				10.9	10.9
SW	2.0	4.3	4.8	2.0	.6	.4	.2					14.2	8.4
WSW	1.2	2.5	2.6	.5	.1							7.0	6.7
W	.6	1.4	1.3	.4								3.7	6.6
WNW	.3	.7	.8	.6	.1							2.5	8.6
NW	.2	.4	1.6	1.3	.2							4.2	9.9
NNW	.4	.8	2.1	1.8	.6	.2						5.8	10.9
VARBL													
CALM												10.6	
	10.9	21.3	30.1	19.2	5.9	1.9	.9	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2511

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947      FORT RILEY KANSAS/MARSHALL AAF      39-50, 57-72      JAN  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1200-1400  
CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.1	2.9	3.9	1.0	.2						10.7	10.5
NNE	.4	1.4	1.7	1.6	.5	.2						3.8	9.0
NE	.7	1.9	1.7	1.1	.1							5.6	7.7
ENE	.4	.7	.7	.2								2.0	7.0
E	.4	.7	1.2	.1								2.3	6.4
ESE	.2	.3	.7	.4	.1							1.6	8.8
SE	.5	.4	.8	.8	.4	.1						3.4	9.6
SSE	.2	.3	1.0	.7	.3	.2	.1	.0				2.7	11.7
S	.6	1.0	1.7	1.9	.9	.2	.1					6.3	11.2
SSW	.3	1.7	2.8	3.7	1.8	.6	.1					10.9	12.2
SW	1.2	2.9	5.4	3.5	.9	.2	.2	.1	.0			14.4	10.0
WSW	.7	1.9	3.4	1.6	.0	.0	.1					7.7	8.4
W	.7	1.2	2.6	.7	.0	.0						5.4	7.6
WNW	.1	.8	1.2	1.0	.2	.0						3.3	9.7
NW	.2	.9	2.3	1.8	.4	.0						5.7	10.4
NNW	.2	.0	2.9	3.5	.7	.2						8.2	11.6
VARBL													
CALM												3.9	
	7.6	19.0	33.1	26.3	7.4	2.0	.5	.1	.0			100.0	9.6

TOTAL NUMBER OF OBSERVATIONS      2516

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.1	3.8	3.5	1.0	.2	.0					11.2	10.7
NNE	.4	1.1	1.8	1.3	.5	.2						5.5	9.9
NE	.6	1.2	2.1	.9		.0						4.7	8.1
ENE	.4	1.0	1.2	.4								3.0	7.2
E	.5	.7	.3	.3								2.4	6.6
ESE	.2	.2	.6	.4	.1							1.5	9.2
SE	.4	.6	1.2	1.0	.0							3.3	9.0
SSE	.2	.5	1.4	.8	.2							3.0	9.2
S	.8	1.3	2.4	2.1	.7	.3	.1					7.7	10.4
SSW	.5	1.8	4.1	3.7	1.3	.3	.1					11.8	11.0
SW	.9	2.0	5.3	1.9	.3	.0	.1					11.2	8.6
WSW	.6	1.4	1.0	.6	.2							4.4	7.5
W	1.0	1.9	1.6	.4								4.9	6.2
WNW	.4	.8	1.8	1.2	.1	.1						4.4	9.2
NW	.5	2.0	2.3	1.8	.2	.1						8.1	8.6
NNW	.5	1.4	3.2	2.3	.4	.3						8.0	10.0
VARBL													
CALM												5.0	
	8.1	20.6	36.6	22.8	4.9	1.7	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-46,48-50,57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.2	3.0	2.4	.8	.3						10.2	9.3
NNE	.8	1.3	2.2	1.2	.3	.1						6.0	8.7
NE	1.0	1.7	1.7	1.1	.0							5.6	7.3
ENE	.4	.8	.9	.9								2.6	7.3
E	1.2	1.0	.7	.2								3.1	4.8
ESE	.1	.3	.3	.4	.1							1.2	10.1
SE	.3	.6	1.1	1.1	.1							3.1	9.7
SSE	.2	.6	1.1	.7	.4	.3						3.2	11.3
S	1.1	2.1	1.9	1.2	.6	.2	.0					7.1	8.8
SSW	1.7	2.8	3.4	1.8	.6	.2	.0					10.6	8.4
SW	2.0	3.7	2.9	.6			.0					9.3	6.1
WSW	.9	1.8	.8	.4								3.7	3.7
W	.6	1.4	.8	.1	.0							3.0	5.6
WNW	.3	.6	.7	.2	.0							1.9	6.7
NW	.9	1.3	1.1	.6	.2							4.4	7.1
NNW	.7	1.4	2.3	1.4	.3	.0						6.2	8.8
VARBL													
CALM												18.9	
	13.8	23.6	25.1	14.1	3.6	1.1	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2354

DATA PROCESSING BRANCH  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	2.7	3.0	1.0	.2						10.0	9.8
NNE	.7	1.5	2.5	1.0	.3							6.0	8.2
NE	1.3	2.1	1.5	.9	.1							5.8	6.8
ENE	.4	.9	.9	.6		.0						2.6	7.8
E	.6	1.2	.9	.1								2.9	5.9
ESE	.3	.3	.2	.1	.2							1.1	8.0
SE	.3	.7	.7	.5	.2	.0						2.6	8.9
SSE	.1	.6	.7	.7	.5	.2						2.8	11.4
S	.8	1.3	1.6	1.0	.6	.4	.1					6.0	10.3
SSW	1.0	2.0	3.0	1.0	1.3	.1		.1				9.6	9.6
SW	2.6	3.4	3.4	1.2	.2	.0						10.8	6.6
WSW	1.7	1.6	1.2	.2								4.9	5.6
W	.7	.6	.5	.1								1.9	5.3
WNW	.4	.9	.6	.1								2.0	6.0
NW	.7	.9	1.1	.4	.1	.0						3.3	7.5
NNW	.3	1.2	2.2	1.9	.3							6.0	9.5
VARBL													
CALM												21.7	
	13.1	21.7	23.9	13.6	4.8	1.0	.1	.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2313

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

FFB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.1	3.4	2.7	.6	.0						10.0	9.0
NNE	1.0	1.5	2.2	2.1	.1	.0						7.0	8.7
NE	1.1	1.5	3.2	1.0								6.3	7.5
ENE	.5	.8	2.0	.2								3.6	7.5
E	.8	1.1	1.3	.7	.2							4.1	7.7
ESE	.3	.2	.7	.4								1.5	7.8
SE	.3	.3	.7	.3	.0							1.7	7.6
SSE	.1	.5	.4	.7	.3	.2						2.3	11.1
S	.6	1.0	.9	1.3	.6	.1	.0					4.8	9.7
SSW	.4	2.2	2.5	1.6	.6	.1	.1					8.4	9.4
SW	1.1	3.0	3.0	.8	.0	.1	.0					8.1	7.1
WSW	1.4	1.2	1.0	.1	.0		.0					3.9	5.8
W	.5	1.0	.7	.2	.0							2.6	6.6
WNW	.3	.6	.5	.3								1.7	6.9
NW	.8	1.0	1.1	.5								3.5	7.0
NNW	.7	1.5	1.4	1.1	.3	.0						5.1	8.4
VARBL													
CALM												24.9	
	11.9	19.8	24.9	14.5	3.0	.7	.3					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2021

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEAR

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	3.2	2.7	.5		.0					10.0	9.0
NNE	1.1	1.5	1.8	2.0	.3							6.7	8.8
NE	1.4	1.8	3.0	1.2	.2							7.7	7.6
ENE	.4	.7	1.3	.2	.0							2.7	7.4
E	.6	.8	1.8	.7	.0							4.0	7.8
ESE	.1	.5	.8	.3	.3							2.1	10.2
SE	.1	.5	.7	.1	.2							1.7	8.4
SSE	.1	.4	.4	.4	.4							1.9	10.8
S	.9	.5	.7	1.1	.4	.1						4.2	9.1
SSW	1.0	1.7	1.9	1.3	.4	.1	.1					6.5	8.9
SW	2.1	3.3	2.8	1.2	.1	.1	.0					9.7	7.0
WSW	.8	1.5	1.1	.1		.0						3.6	5.9
W	.8	1.0	.9	.4	.1							3.0	6.8
WNW	.4	1.0	1.1	.6								3.2	7.2
NW	.6	.8	1.2	.4								3.2	7.0
NNW	.7	1.2	1.5	1.3	.1							5.2	8.3
VARBL													
CALM												24.8	
	12.2	20.3	24.7	14.1	3.4	.2	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2037

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.7	2.4	2.6	.4	.1						8.4	9.3
NNE	1.3	1.4	2.5	1.9	.4							7.4	8.8
NE	1.6	2.0	3.7	1.9	.2	.0						9.5	8.1
ENE	.4	.4	1.7	.4	.1	.0						3.0	8.3
E	.5	1.1	1.4	.6	.2							3.7	8.1
ESE	.3	.4	.7	.4	.1	.1						1.9	9.1
SE	.3	.1	.8	.4	.1		.0	.0				1.8	10.4
SSE	.6	.4	.6	.5	.3							1.9	10.3
S	.8	1.1	.7	.7	.5	.3						3.9	9.4
SSW	1.3	1.6	1.6	1.0	.5	.2	.1					6.3	8.8
SW	2.7	3.8	2.8	.9	.1	.0						10.3	6.2
WSW	1.4	1.9	1.9	.0								4.8	5.2
W	.8	1.4	.7	.4	.1							3.3	6.4
WNW	.4	.9	.5	.4								2.1	6.7
NW	.4	1.4	1.0	.4	.1							3.2	7.3
NNW	.7	1.1	2.3	1.6	.6	.1	.0					6.4	9.9
VARBL													
CALM												22.0	
	13.9	20.5	24.8	13.9	3.6	1.5	.2	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2283

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45.47-50.56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.4	3.8	3.9	.9	.2						10.5	10.9
NNE	1.0	2.1	2.5	2.1	.6	.2						8.5	9.3
NE	1.1	2.0	3.2	1.7	.1	.1						8.2	8.1
ENE	.4	1.0	1.3	1.0	.1	.1						3.8	8.3
E	.6	.6	1.7	1.0	.0	.0						4.0	8.3
ESE	.3	.7	.6	.7	.2	.1						2.7	10.0
SE	.4	.4	1.1	.8	.2							2.9	9.5
SSE	.2	.5	.4	.8	.1	.1						2.1	10.3
S	.5	1.1	2.1	1.7	.7	.1						6.2	10.2
SSW	.7	1.0	1.8	1.9	1.2	.6	.3	.1				7.7	12.7
SW	1.4	2.7	3.2	2.7	.2		.1	.0				10.2	8.5
WSW	1.1	2.0	2.3	.9	.2							6.4	7.3
W	.7	1.3	1.6	.9	.1							4.6	7.7
WNW	.2	.4	.9	.7	.1			.0				2.4	10.3
NW	.3	.9	1.5	.7	.3			.0				3.8	9.4
NNW	.2	.8	2.0	2.9	1.4	.4		.1				7.7	12.6
VARBL													
CALM												8.3	
	9.6	19.0	29.6	24.6	6.5	1.8	.4	.3				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2280

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.4	4.3	3.9	1.6	.7	.0					12.9	11.4
NNE	.4	1.6	2.3	2.0	.8	.2						7.2	10.3
NE	.4	1.7	2.3	1.3	.4	.0						6.0	9.0
ENE	.2	1.1	1.4	.9	.2							3.7	9.0
E	.3	1.0	1.8	1.2	.2	.0						4.6	9.2
ESE	.1	.5	.7	.6	.2							2.1	9.3
SE	.1	.2	.9	.7	.2	.1						2.3	11.1
SSE	.2	.7	1.3	1.4	.4	.0						3.9	10.9
S	.2	1.0	1.8	2.5	.4	.2		.0	.0			6.3	11.3
SSW	.4	.7	1.6	3.1	1.6	.9	.4	.0				8.7	14.4
SW	.5	1.1	3.2	2.9	.9	.3	.1	.2				9.2	11.7
WSW	.3	1.8	2.8	1.4	.1	.1						6.6	8.8
W	.2	1.7	2.4	1.0	.1							5.4	8.1
WNW	.2	1.0	1.6	1.0	.1							3.9	9.1
NW	.2	1.3	2.4	1.2	.3							5.4	8.9
NNW	.1	.8	3.0	3.6	1.1	.3	.0					9.0	11.8
VARBL													
CALM												2.9	
	4.9	17.6	33.7	28.5	8.6	3.0	.6	.3	.0			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 2275

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	3.6	4.1	1.4	.4		.0				12.4	11.2
NNE	.5	1.6	2.1	2.0	.6	.1						7.0	9.9
NE	.6	1.8	2.6	1.5	.4	.1						7.0	9.0
ENE	.3	.8	1.2	.7	.2							3.3	8.8
E	.5	1.1	1.8	1.2	.3							4.9	8.8
ESE	.1	.5	1.0	.7	.1							2.3	9.7
SE	.2	.7	1.0	.6	.0	.0						2.6	8.5
SSE	.1	.4	1.2	1.1	.4							3.3	10.8
S	.1	.7	1.8	2.3	1.1	.2	.0					6.4	12.4
SSW	.4	.9	2.1	2.9	1.3	.9	.2					8.8	13.2
SW	.4	1.6	2.9	2.4	.5	.2	.2					8.4	10.1
WSW	.3	1.5	1.9	.9	.1	.1	.0					4.8	8.7
W	.6	1.4	1.6	.6	.1							4.2	7.1
WNW	.4	.8	1.5	.8	.1							3.6	8.5
NW	.4	1.4	2.0	2.0	.2	.0						7.1	9.2
NNW	.6	1.7	3.6	3.7	.6	.3		.0				10.5	10.6
VARBL													
CALM												3.4	
	6.5	19.1	33.1	27.4	7.5	2.5	.5	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 2274

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.6	4.2	3.0	.8	.1						13.2	8.9
NNE	.9	1.7	2.2	1.8	.4							6.9	8.7
NE	.9	1.4	1.9	1.0	.3	.0						5.6	8.3
ENE	.2	.6	1.9	.7	.0							3.6	8.4
E	.6	1.2	2.2	.7	.1							4.9	7.8
ESE	.2	.6	.8	.1		.0						1.7	7.7
SE	.2	1.0	1.8	.3	.1	.0						3.5	8.3
SSE	.1	.5	1.5	1.2	.3							3.6	10.4
S	.7	1.0	2.1	1.7	.4	.3	.0					6.2	10.2
SSW	.6	2.7	2.6	1.6	.8	.3	.2	.0				9.3	9.7
SW	1.6	3.1	1.6	.5	.0							6.7	5.9
WSW	.7	1.0	.5	.2								2.4	5.6
W	.6	1.2	.4	.2								2.5	5.6
WNW	.3	.7	.4		.0							1.6	5.6
NW	1.2	1.8	1.7	.6	.0	.0						5.4	6.7
NNW	.6	1.7	2.0	.9	.2							5.4	8.0
VARPL													
CALM												17.5	
	11.2	23.9	28.1	14.4	3.7	.9	.2	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2118

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

40-45, 48-50, 56-72  
 YEARS

FEB  
 MONTH

ALL WEATHER  
 CLASS

2100-2300  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.1	4.1	2.6	.4	.1						11.7	8.3
NNE	.7	1.4	2.9	2.1	.1	.0						7.4	8.9
NE	1.4	1.8	3.2	.8	.2							7.5	7.4
ENE	.3	1.0	1.9	.4								3.5	7.4
E	.9	1.0	1.4	.7	.1							4.1	7.0
ESE	.2	.2	.7	.2	.0							1.4	8.3
SE	.3	.5	1.0	.5	.1							2.4	8.8
SSE	.1	.7	.7	.9	.3	.0	.1					2.9	11.0
S	1.1	1.2	1.4	1.9	.8	.2						6.6	10.0
SSW	1.2	1.5	2.3	1.3	.5	.4	.1					7.4	9.3
SW	1.6	2.4	7.6	1.1	.1							8.1	6.7
WSW	.5	1.2	.5	.1	.1	.0	.1					2.6	7.6
W	.6	.3	.2	.3								1.6	5.9
WNW	.2	.2	.4	.3								1.2	7.8
NW	.8	.5	1.1	.5	.0	.1						3.1	7.6
NNW	.2	1.2	1.2	.7	.1	.1						3.8	8.5
VARBL													
CALM												24.7	
	11.8	18.9	25.7	14.5	3.1	1.1	.3					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2093

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.4	2.1	1.5	.7	.3						7.7	9.4
NNE	1.2	1.5	2.8	1.8	.6	.0						8.0	8.8
NE	1.1	1.9	2.1	1.8	.9	.2						8.1	9.4
ENE	.3	1.2	1.5	.9	.3							4.2	8.7
E	.4	.7	1.2	.4	.1							2.8	7.7
ESE	.2	.4	.7	.4	.0							1.8	8.4
SE	.6	.3	.7	1.1	.0	.0						2.8	9.8
SSE	.4	.3	.7	1.3	.5	.4	.2	.0				4.1	13.4
S	1.0	.6	.6	1.4	1.3	1.5	.7	.3				7.3	16.2
SSW	1.1	1.3	1.3	1.5	.9	.6	.3	.1				7.2	11.6
SW	2.3	2.0	2.1	.4	.4	.2	.1					7.4	7.0
WSW	.4	1.4	.7	.1	.0							2.6	5.8
W	.6	1.3	.7	.2	.1							3.2	6.2
WNW	.2	1.3	1.5	.6	.1							3.5	8.3
NW	.4	.9	2.0	.8	.5	.6						4.6	9.6
NNW	.6	1.5	1.9	1.0	.4	.1						5.6	9.1
VARBL													
CALM												19.2	
	11.3	19.2	22.9	15.2	7.0	3.4	1.2	.4				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2285

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0100-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.3	2.7	1.8	.9	.1	.1					0.1	9.1
NNE	.9	2.2	2.6	1.4	.6	.2						7.9	8.9
NE	.7	1.6	2.9	1.6	.7	.2						7.8	9.0
ENE	.2	.9	1.3	.8	.3	.1						1.6	9.5
E	.4	.6	.6	.7	.1							2.6	8.6
ESE	.2	.5	.5	.4	.0							1.7	8.1
SE	.3	.6	.7	1.3	.2							3.1	9.7
SSE	.1	.2	.3	1.1	1.0	.2		.0				2.9	14.9
S	.9	1.0	.7	1.0	.8	1.3	.3					6.1	13.7
SSW	1.3	1.3	1.5	1.6	1.2	.9	.3	.0				8.1	12.0
SW	2.4	1.9	1.9	.8	.2	.1	.1					7.2	6.6
WSW	.9	1.9	1.4	.1								4.4	5.8
W	.5	1.0	1.3	.5	.1							3.6	7.7
WNW	.2	1.0	1.1	.8	.1							3.2	8.4
NW	.6	1.0	2.0	1.0	.1	.2						4.9	9.0
NNW	.6	1.3	1.3	1.0	.4							4.6	9.0
VARBL													
CALM												19.1	
	11.5	19.4	23.1	16.0	6.7	3.3	.8	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2305

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.0	2.7	1.9	.8	.1						8.7	9.0
NNE	1.0	1.7	2.4	1.9	.7	.4	.0					8.0	9.9
NE	1.1	2.3	2.8	2.3	.5	.0	.0					9.1	8.9
ENE	.4	1.0	1.4	.6	.2	.1	.0					3.7	9.0
E	.5	.6	1.1	.5	.2	.1	.0					3.0	8.7
ESE	.1	.4	.6	.6	.4							2.1	10.8
SE	.2	.3	.4	1.1	.2	.0						2.1	10.9
SSE	.1	.2	.6	.9	.4	.2	.1	.0				2.5	14.5
S	.8	.9	.8	1.7	1.1	.8	.2					6.2	13.3
SSW	1.2	1.7	1.9	1.2	1.7	1.0	.2					8.8	11.8
SW	2.3	2.8	2.3	.6	.6	.1						8.7	7.0
WSW	.9	1.6	1.5	.2	.1	.0						4.5	6.7
W	.6	.8	1.2	.6								3.1	7.5
WNW	.4	1.0	1.2	.8	.1	.0						3.5	8.6
NW	.3	.8	1.5	1.3	.1	.1						4.1	9.7
NNW	.5	1.2	2.2	1.4	.2	.1						5.6	9.3
VARBL													
CALM												16.1	
	11.4	19.2	24.6	17.7	7.4	2.9	.6	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 2512

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	4.2	3.5	1.1	.2	.0					10.7	11.0
NNE	.4	1.4	2.4	2.4	.7	.3						7.5	10.7
NE	.6	1.2	3.3	2.4	.5	.2						8.4	9.9
ENE	.2	.9	1.2	1.4	.2	.2						4.1	10.4
E	.4	.9	1.6	1.0								3.9	8.2
ESE	.3	.4	1.1	1.0	.3	.1						3.3	10.5
SE	.3	.6	1.0	1.1	.4		.0					3.4	10.0
SSE	.2	.2	.9	1.1	.6	.2	.1	.1				3.3	13.7
S	.3	.4	1.0	2.1	1.3	1.0	.5	.1				6.7	13.7
SSW	.6	1.1	1.3	2.5	2.0	1.7	.6	.1				9.9	15.6
SW	.8	1.2	2.4	1.6	1.4	.6	.2	.0				8.3	12.1
WSW	.4	1.1	2.8	1.0	.3	.2		.0	.0			5.8	9.8
W	.4	1.2	1.4	.9	.3							4.3	8.6
WNW	.2	.5	1.9	1.2	.4	.1						4.3	10.8
NW	.1	.6	2.1	2.0	.5	.1						5.4	11.2
NNW	.1	.7	1.6	2.5	1.2	.2						6.3	12.7
VARBL													
CALM												4.6	
	5.9	13.4	30.2	27.7	11.1	5.1	1.5	.4	.0			100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2507

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	3.3	3.9	1.4	.2	.0					10.5	11.2
NNE	.3	1.3	2.6	2.9	.0	.2	.0					6.1	11.0
NE	.2	1.1	2.8	2.9	.6	.2						6.8	10.7
ENE	.1	1.0	1.1	1.0	.1	.1						3.4	9.4
E	.2	.8	1.3	1.3	.1		.0					3.7	9.5
ESE	.2	.3	1.0	1.0	.1	.2						2.7	10.9
SE	.3	.4	1.3	1.2	.2							3.4	9.8
SSE		.3	.9	1.1	.6	.3	.0	.1				3.2	14.9
S	.1	.5	1.5	2.1	1.7	1.1	.4	.2				7.6	15.9
SSW	.1	.5	1.2	2.2	1.7	2.0	1.3	.3	.0			9.3	18.9
SW	.6	1.4	2.2	2.2	1.6	.9	.3	.2				6.9	12.8
WSW	.3	1.2	2.2	1.1	.6	.1	.0					5.6	10.1
W	.3	.9	1.5	1.6	.2	.2		.0				4.8	10.4
WNW	.1	.6	1.7	2.0	.6	.2	.0					5.2	12.0
NW	.2	.8	2.1	2.7	.9	.1						6.9	11.7
NNW	.1	.6	2.9	2.2	1.4	.5	.1					7.7	12.7
VARBL													
CALM												2.2	
	3.6	12.7	29.5	30.5	12.5	5.7	2.3	.9	.0			100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 2497

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947      FORT RILEY KANSAS/MARSHALL AAF      39-45,47-50,56-72      HAR  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1500-1700  
CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	3.7	3.7	1.2	.3	.1					10.8	11.3
NNE	.4	.8	2.9	2.6	1.0	.3	.0					8.1	11.6
NE	.4	.8	3.0	2.1	.6	.2						7.1	11.0
ENE	.1	.5	1.2	1.2	.2	.2						3.5	10.8
E	.4	1.0	1.4	1.0								3.7	8.1
ESE		.5	.7	.8	.2	.1						2.3	10.8
SE	.2	.3	1.2	1.0	.1	.1						2.9	10.7
SSE	.0	.2	.7	1.4	.4	.4	.2					3.4	14.5
S	.2	.8	1.4	1.7	1.6	1.2	.4	.2				7.5	15.8
SSW	.1	.5	1.5	2.1	2.0	1.0	1.2	.3				9.4	18.2
SW	.3	1.1	1.9	1.9	1.1	.8	.2	.0				7.2	13.0
WSW	.2	.8	2.2	1.1	.5	.2	.1	.1				5.1	11.3
W	.4	.8	1.8	.8	.1	.0	.0	.1				4.1	9.3
WNW	.3	.9	1.5	1.7	.6		.1					5.0	10.8
NW	.5	.7	3.3	3.2	1.2	.2	.2					9.4	11.7
NNW	.4	1.1	2.6	2.7	1.4	.1						8.3	11.4
VARBL													
CALM												2.5	
	4.6	11.9	30.9	29.2	12.1	5.9	2.5	.7				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS      2491

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FIPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.8	3.9	2.8	.6	.3	.0					11.9	9.0
NNE	.9	1.4	2.9	1.6	.6	.3	.0					8.0	9.9
NE	.7	1.2	3.2	1.4	.7	.2	.0					7.6	9.7
ENE	.3	.3	1.6	1.2	.2	.1						4.3	9.0
E	.5	1.4	1.8	.4	.1							4.1	7.3
ESE	.2	1.0	1.2	.3	.0							2.8	7.3
SE	.3	.6	1.5	.7	.0	.0						3.2	8.5
SSE	.2	.5	1.7	1.5	.4	.3	.0	.0				4.7	12.1
S	.2	1.2	1.8	2.7	2.2	.6	.2	.0				8.8	13.8
SSW	.7	1.5	1.7	1.9	1.0	.8	.2	.0				7.9	12.2
SW	.9	.9	1.4	.4	.2	.2						4.0	8.0
WSW	.7	.7	.8	.3	.2	.2	.0					2.8	7.8
W	.3	.7	.4	.2	.1	.1						2.1	7.9
WNW	.3	.9	.9	.9	.3	.1						3.4	9.7
NW	.8	1.6	1.7	1.4	.4	.3	.1					6.2	9.5
NNW	.9	1.6	3.1	1.9	.4	.1	.0					8.2	9.1
VARBL													
CALM												10.2	
	9.7	19.1	29.6	19.7	7.4	3.5	.7	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,56-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.9	3.0	1.7	.6	.3	.1					8.4	9.6
NNE	1.3	1.5	2.1	1.2	1.0	.3	.0					7.4	9.6
NE	1.4	2.0	3.6	1.9	.4	.1						9.5	8.4
ENE	.6	1.0	1.3	.8	.3	.2	.0					4.2	9.3
E	.4	1.4	1.0	.4	.1							3.3	7.0
ESE	.2	.8	1.0	.4								2.1	8.4
SE	.2	.4	1.6	1.1	.3							3.6	10.0
SSE	.2	.4	.9	1.2	1.0	.8	.2	.0				4.6	15.9
S	.7	.7	1.1	2.1	2.1	1.3	.5	.1				8.4	15.6
SSW	.5	1.1	1.5	1.4	1.1	.4	.3	.1				6.9	12.1
SW	1.7	1.2	.9	.3	.2	.0	.0					4.4	6.3
WSW	.6	1.6	.8	.2	.2	.1						3.4	6.7
W	.8	1.0	.9	.3								2.7	5.8
WNW	.1	.3	.7	.5	.3							1.9	10.8
NW	.4	.9	1.6	1.0	.3	.1	.1					4.4	9.9
NNW	.6	1.1	2.0	1.1	.4	.1	.2					5.6	10.1
VARBL													
CALM												19.2	
	10.7	17.0	23.8	15.7	8.2	3.8	1.5	.2				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2303

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.9	2.6	.9	.4	.1						7.0	8.2
NNE	1.4	1.7	1.9	1.1	.3	.2						6.6	7.7
NE	1.7	1.9	2.0	.9	.4	.1						6.4	7.7
ENE	.5	1.2	2.0	1.1	.3	.1						5.2	8.9
E	.5	1.1	1.1	.7	.1							3.5	7.4
ESE	.4	.4	1.0	.6	.1							2.6	8.5
SE	.5	.4	1.7	1.7	.5	.1	.0					4.9	10.5
SSE	.2	.6	1.3	1.6	.6	.4	.2					5.4	13.3
S	.3	.4	1.6	2.0	2.9	1.2	.3	.0				9.0	15.5
SSW	.9	1.7	1.9	1.5	1.6	1.1	.2					8.9	12.3
SW	2.1	1.8	.8	.7	.1	.1	.0					5.6	6.4
WSW	.6	.4	.7	.2	.1							2.2	6.4
W	.5	.5	1.1	.7	.2							2.9	8.5
WNW	.2	.5	.4	.2	.1							1.4	8.4
NW	.1	.4	1.2	1.2	.2	.0						3.1	11.0
NNW	.1	.7	1.2	.8	.3	.0						3.1	9.9
VARBL													
CALM												22.3	
	11.0	15.7	22.4	16.0	8.3	3.5	.8	.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2242

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FOPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	1.5	1.2	.3	.1						6.0	8.1
NNE	1.1	2.0	2.2	.9	.3	.1						6.6	7.7
NE	1.7	2.0	2.4	.9	.3	.1	.1					7.8	7.9
ENE	.5	.9	1.9	1.1	.3	.3						4.9	9.7
E	.9	.8	1.2	.6	.3	.1						4.0	8.2
ESE	.1	.4	1.4	.6		.0						2.6	9.2
SE	.3	.4	1.2	1.0	.5	.1	.0					4.1	11.4
SSE	.2	.7	1.1	1.3	1.2	.5	.1					5.1	13.7
S	.8	1.2	1.0	1.9	2.0	1.4	.2					8.5	14.1
SSW	.9	1.5	1.8	1.9	1.2	.6	.1					8.2	11.8
SW	1.3	2.5	1.2	.5	.1							5.8	6.1
WSW	.7	1.0	.9	.2	.1							2.8	6.6
W	.4	.6	.9	.3	.3							2.6	8.3
WNW	.3	.5	1.0	.7	.2							2.6	9.0
NW	.3	.2	1.6	.7	.4							3.2	10.2
NNW	.5	.8	1.5	.9	.2							3.9	8.6
VARBL													
CALM												21.1	
	11.2	17.0	23.4	15.2	8.0	3.5	.5					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.2	2.4	1.4	.3	.2						6.2	9.4
NNE	.9	2.0	2.2	1.4	.6	.2						7.3	9.1
NE	1.5	1.8	2.6	1.5	.3	.2	.1					7.9	8.5
ENE	.3	.9	1.9	1.4	.2	.1	.0		.0			4.9	10.3
E	.5	.8	1.6	1.0	.1	.3						4.4	9.3
ESE	.1	.6	1.1	.9	.3	.0						3.1	10.9
SE	.5	.4	1.3	1.6	.7	.2						4.9	11.5
SSE	.4	.4	1.0	1.5	.9	.3	.2	.1				5.0	14.3
S	.6	1.0	1.9	2.7	1.9	1.0	.2					8.3	13.5
SSW	.5	1.2	1.3	2.2	1.0	.8	.9	.1				8.9	14.5
SW	1.3	1.5	1.3	.7	.9	.1	.0					5.5	8.1
WSW	.3	1.2	1.0	.5	.0							3.3	7.2
W	.5	.8	1.2	.4	.2							3.1	7.9
WNW	.1	.6	1.0	.5	.2							2.3	9.2
NW	.3	.7	1.2	1.5	.3							3.9	10.1
NNW	.3	1.0	1.3	1.1	.4	.0						4.3	9.6
VARBL													
CALM												17.1	
	8.8	16.1	24.0	20.5	8.2	3.7	1.3	.2	.0			100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2446

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.9	2.5	3.0	.5	.2	.1					7.5	11.4
NNE	.4	.9	2.4	2.2	.8	.2	.2					7.1	11.4
NE	.5	1.7	2.6	2.0	.6	.2	.0					7.7	9.9
ENE	.3	.9	1.9	1.8	.5	.1	.0					5.6	10.6
E	.4	.5	1.8	2.0	.5	.1						5.4	10.8
ESE	.2	.6	1.2	1.3	.4	.1						3.8	10.8
SE	.3	.4	1.6	1.3	.7	.2	.0					5.1	11.9
SSE	.2	.3	1.2	2.0	1.1	.9	.1					5.8	14.9
S	.3	.7	1.4	2.8	1.4	1.3	.5					8.8	15.5
SSW	.4	.4	.8	2.0	3.1	2.0	.7	.3				9.7	18.2
SW	.8	1.0	1.5	2.0	1.7	.7	.2					7.7	12.8
WSW	.0	.6	1.5	1.4	.3	.1						4.5	9.8
W	.3	.5	1.4	.9	.3	.0						3.5	10.1
WNW	.2	.4	.8	.8	.3	.0						2.6	10.4
NW	.0	.6	1.5	1.8	.9							4.9	11.9
NNW	.2	.7	2.1	2.1	.9	.3						6.4	12.0
VARBL													
CALM												3.8	
	5.5	11.3	26.4	29.8	14.4	6.6	1.9	.3				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 2456

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPPED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	2.6	2.9	.7	.2	.0					7.7	11.3
NNE	.3	1.0	2.7	2.2	.8	.4	.1					7.4	11.2
NE	.3	1.6	2.5	1.8	.6	.2						6.9	10.1
ENE	.0	.9	1.8	1.0	.7	.1						4.5	10.9
E	.4	.7	1.6	1.4	.3	.1						4.3	10.0
ESE	.2	.6	1.0	1.2	.4	.1						3.6	11.5
SE	.2	.3	1.2	1.0	.8	.2	.0					4.4	12.7
SSE	.2	.7	1.2	1.0	1.1	.9	.1	.0				6.3	14.0
S	.2	.0	1.6	2.0	1.8	1.7	.7	.1				8.7	16.3
SSW	.2	.4	1.3	1.8	2.1	2.6	1.2	.2				9.8	19.1
SW	.4	.7	1.6	2.4	1.9	.3	.1					7.9	13.6
WSW	.3	.7	1.2	1.6	.6	.2						4.6	11.4
W	.3	.7	1.3	1.6	.2	.2						4.6	11.1
WNW	.1	.4	1.1	1.6	.4	.0						3.7	11.7
NW	.1	.5	1.7	3.0	.6	.0						5.9	12.1
NNW	.2	.9	2.7	2.5	.8	.4						7.4	11.7
VARBL													
CALM												1.9	
	3.8	11.4	27.2	30.5	13.9	8.1	2.3	.3				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 2447

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 47-50, 56-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.8	3.1	3.0	.8	.3	.0					3.1	11.6
NNE	.2	.6	2.9	2.5	.7	.3	.0					7.2	11.5
NE	.1	1.2	2.6	1.6	.7	.1						6.2	10.5
ENE	.3	1.0	2.2	1.4	.3	.1	.1					5.3	10.1
E	.5	1.5	1.9	1.3	.5	.3	.0					5.9	9.8
ESE	.1	.5	.7	1.3	.3	.3						3.1	11.4
SE	.2	.7	1.8	1.5	.7	.2		.0	.0			5.1	11.8
SSE	.0	.5	1.0	1.9	.8	.5	.3					5.0	14.3
S	.1	.5	1.4	2.0	1.8	1.3	.8		.0			8.1	16.8
SSW	.1	.4	1.3	2.3	3.2	2.3	1.2					10.8	18.2
SW	.3	.5	1.9	2.1	1.8	.5	.3	.0				7.5	14.0
WSW	.3	1.0	.9	1.1	.7	.1						4.1	10.8
W	.2	.6	1.4	1.3	.4	.1						4.1	10.9
WNW	.1	.6	1.2	1.3	.4	.1	.0					3.8	11.2
NW	.3	.8	2.8	2.8	.5	.1						7.3	11.0
NNW	.2	.7	2.7	2.3	.9	.1						6.9	11.6
VARBL													
CALM												1.7	
	3.1	11.8	29.9	29.7	14.4	6.3	2.9	.1	.1			100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 2397

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.5	3.6	2.1	.6	.0						9.4	8.8
NNE	.4	1.3	2.1	1.4	.5	.0						5.6	9.5
NE	.7	1.3	2.2	1.2	.7	.0						6.2	9.1
ENE	.4	1.7	2.1	.3	.4	.1	.0					5.2	8.8
E	.8	2.0	2.1	1.3		.1						6.3	7.7
ESE	.3	.5	1.4	.9	.2	.0	.0					3.7	9.5
SE	.3	.7	2.4	1.5	.5	.1						5.9	10.1
SSE	.4	.9	2.1	1.6	1.1	.4	.2					6.9	12.5
S	.4	1.1	2.2	3.6	1.9	.9	.2					10.3	13.5
SSW	.6	1.1	1.5	2.4	1.4	.6	.2					7.8	12.9
S'W	.7	1.3	1.6	1.1	.2	.0	.0					4.9	8.5
WSW	.5	.6	.3	.2	.4	.1						1.9	8.3
W	.8	.4	.4	.4	.3	.2						2.3	8.1
WNW	.4	1.1	1.0	.4	.1			.0				3.1	7.9
NW	.8	1.7	1.5	1.0	.3							5.4	8.0
NNW	.2	1.6	2.3	1.5	.1	.0						5.9	8.7
VARBL													
CALM												9.3	
	0.9	20.0	25.9	20.9	8.3	2.7	.9	.0				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 2289

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.4	1.3	.7		.0					7.4	8.6
NNE	.9	2.2	1.8	1.4	.2	.2						6.3	8.3
NE	2.0	1.7	1.5	.8	.3	.0						6.4	7.0
ENE	.7	1.0	1.4	.8	.4	.1						4.3	8.9
E	.5	1.0	1.8	1.0	.1							5.0	8.0
ESE	.4	.9	1.2	.7	.1	.0						3.3	8.1
SE	.4	.9	2.1	1.3	.8	.2						5.6	10.7
SSE	.1	.7	2.1	2.0	1.5	.5	.3	.0				7.9	13.9
S	.6	.7	1.9	3.8	2.1	.7	.3	.0				10.1	13.8
SSW	.9	1.1	1.1	1.1	1.4	1.0	.0					6.2	13.1
SW	1.4	1.2	1.1	.4	.1	.0						4.2	6.3
WSW	.3	.6	.3	.1	.0							1.4	6.5
W	.6	.7	.5	.4	.3	.0						2.5	6.1
WNW	.2	.3	.5	.3	.1							1.3	9.0
NW	.3	.5	.7	.2	.3	.1						2.1	8.8
NNW	.4	.8	1.3	.7	.1							3.4	8.4
VARBL													
CALM												22.0	
	10.2	16.8	21.7	16.9	8.5	3.0	.7	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2273

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.6	1.5	.7	.1							4.9	7.2
NNE	1.1	1.0	1.3	1.0	.1							5.0	7.0
NE	2.0	1.3	1.8	.3	.0	.1						5.7	5.9
ENE	.4	1.2	.8	.3								2.6	6.4
E	.7	1.3	1.1	.4		.0						3.9	6.8
ESE	.4	.4	1.0	1.3	.1	.0						3.2	9.8
SE	.7	.9	2.3	1.7	.3	.2	.0					6.0	9.7
SSE	.4	.9	2.1	2.0	1.1	.7	.1					7.7	12.3
S	1.2	1.3	2.3	3.3	1.8	.3	.2	.1				12.7	12.0
SSW	1.0	2.1	1.6	1.7	1.1	.2	.2	.1				7.9	10.4
SW	2.4	2.0	1.3	.9	.3	.2						7.1	6.8
WSW	.7	.7	.5	.1								2.0	5.3
W	.5	.7	.6	.1								1.9	5.8
WNW	.1	.4	.5	.1		.0						1.1	7.7
NW	.5	.6	.7	.3		.0			.0			2.2	7.6
NNW	.5	.9	1.5	.4	.1							3.3	7.4
VARBL													
CALM												22.6	
	13.5	18.5	21.0	17.0	4.9	1.8	.5	.2	.0			100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

2272

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	1.8	.7	.1		.0					6.6	6.4
NNE	1.1	1.8	1.5	.7	.1							5.2	6.6
NE	1.9	1.8	2.0	.4	.1							4.0	6.0
ENE	.6	1.0	.9	.4	.0							2.9	6.5
E	.9	1.2	1.3	.2								3.5	6.1
ESE	.4	1.1	1.5	.3	.1							3.4	7.6
SE	.5	1.1	1.6	1.0	.3	.0						4.7	8.9
SSE	.4	.6	1.6	1.9	.8	.3	.1					5.8	12.3
S	1.5	1.9	2.0	3.2	1.3	.4						11.0	10.5
SSW	1.8	1.9	1.7	1.9	.7	.4	.2					8.6	9.6
SW	2.9	3.0	2.0	.7	.3	.1						9.1	6.0
WSW	.6	1.0	.5	.0	.0							2.2	5.3
W	.6	1.0	.8	.0								2.5	5.6
WNW	.1	.4	.6	.3	.1							1.6	8.3
NW	.2	.7	.6	.3								1.9	7.4
NNW	.4	.7	1.2	.2								2.6	6.8
VARBL													
CALM												22.5	
	16.0	21.0	22.5	12.3	4.0	1.3	.4					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2311

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

49-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	1.9	1.0	.2	.1	.0					6.4	7.8
NNE	1.0	1.2	2.0	1.3	.3	.0						5.8	8.5
NE	1.3	1.9	2.7	.7	.1	.0						7.0	7.0
ENE	.6	.6	1.5	.4	.0							3.2	7.5
E	.6	1.0	1.6	.7	.2		.0					4.1	8.1
ESE	.6	1.1	.9	.7	.2	.1						3.4	8.8
SE	.6	.9	2.1	1.6	.4	.1	.0					5.9	9.9
SSE	.3	.6	1.7	1.6	.8	.3						5.4	11.9
S	.8	1.0	2.5	3.9	2.0	.7	.1					11.0	12.6
SSW	1.2	1.3	2.5	1.9	1.4	.7	.1					9.2	11.3
SW	2.2	2.3	1.8	1.3	.6	.1		.0				8.2	7.6
WSW	.6	1.0	1.0	.1	.1		.0	.0				2.9	7.1
W	.4	1.0	.8									2.2	5.7
WNW	.3	.8	1.0	.3	.0							2.4	7.8
NW	.2	.4	1.2	.5	.1							2.4	8.7
NNW	.4	.7	1.5	.7	.1	.0						3.3	8.6
VARBL													
CALM												17.1	
	12.3	17.9	26.8	16.8	6.5	2.2	.4	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2481

4  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.2	3.1	1.3	.6	.7						6.8	10.0
NNE	.4	1.2	1.8	1.6	.2							5.3	9.1
NE	.3	1.2	3.0	1.2	.3			.0				6.1	9.2
ENE	.3	.8	2.1	.9	.0							4.2	8.9
E	.3	1.2	1.4	1.1	.1	.0						4.1	8.6
ESE	.2	.8	1.5	1.4	.3							4.2	10.0
SE	.4	.9	1.8	1.6	.5							5.2	9.7
SSE	.0	.8	1.8	2.7	1.0	.2	.0					7.0	11.7
S	.3	1.1	2.2	4.9	2.7	1.4	.2	.3				12.9	14.3
SSW	.4	.8	2.5	3.6	2.6	1.1	.6					11.5	14.8
SW	.8	1.0	3.2	3.0	1.0	.2	.0	.0				9.8	10.9
WSW	.4	1.3	1.9	.9	.2	.1	.0					4.9	8.9
W	.3	1.0	1.4	.6	.1	.0						3.4	8.1
WNW	.3	.2	1.0	.9	.1	.1						2.6	10.0
NW	.3	.9	1.0	.6	.2	.1	.0					2.8	9.9
NNW	.1	.8	2.1	1.1	.3	.0	.0					4.6	10.0
VARBL													
CALM												4.7	
	5.4	12.5	31.9	27.2	10.3	3.6	1.0	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 2496

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13747  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	2.6	1.6	.3	.1	.0					6.7	9.3
NNE	.2	1.2	2.1	1.2	.3							5.0	9.4
NE	.5	1.4	2.5	1.2	.4							5.9	8.9
ENE	.2	1.0	1.5	.8	.0							3.4	8.3
E	.2	1.0	1.7	1.2	.1			.0				4.4	9.3
ESE	.1	.8	1.7	1.4	.4	.0						4.4	10.3
SE	.2	.6	2.1	1.6	.2	.2	.0					5.0	10.7
SSE	.2	.5	2.1	2.7	1.1	.2	.1					7.0	12.5
S	.4	1.0	2.8	6.2	3.3	1.2	.2					15.0	13.9
SSW	.3	.8	1.7	3.3	1.9	1.8	.6	.2				10.6	16.0
SW	.7	1.4	3.7	2.3	1.4	.6	.1	.0				10.1	11.4
WSW	.2	1.2	1.5	1.0	.3	.1						4.2	9.5
W	.4	1.2	1.8	.8	.2	.2						4.5	8.8
WNW	.3	.7	.7	.7	.2	.0						2.7	9.0
NW	.2	.7	1.7	1.2	.1							4.0	9.5
NNW	.2	.8	1.7	1.6	.4	.2						4.8	10.5
VARBL													
CALM												2.4	
	4.9	12.8	31.6	28.8	10.5	4.6	1.0	.3				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 2480

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.0	1.4	.5	.0	.1					7.0	9.4
NNE	.2	1.1	1.8	1.4	.2	.0	.0					4.8	9.9
NE	.5	2.0	2.6	1.2	.1							6.4	8.0
ENE	.4	1.3	2.2	.8	.2							4.6	7.9
E	.5	1.5	1.6	1.2	.1							4.9	7.9
ESE	.1	.5	1.4	1.0	.2							3.3	9.8
SE	.2	.3	2.6	2.4	.5							6.0	10.8
SSE	.0	.5	2.3	3.3	1.1	.2	.2					7.7	13.2
S	.3	.9	4.7	5.8	3.5	1.5	.2	.0				15.0	14.7
SSW	.3	.7	1.8	2.9	1.7	1.3	.4	.2	.0			7.2	15.3
SW	.5	1.4	2.7	2.4	.7	.7	.3					8.8	11.5
WSW	.2	.8	.9	.6	.2	.1						2.9	9.6
W	.5	1.3	2.0	.4	.3	.2						5.2	9.0
WNW	.2	.7	1.2	.8	.3	.1						3.4	9.8
NW	.2	1.2	1.6	1.0	.5							4.4	9.5
NNW	.2	.4	1.9	1.2	.4							4.1	10.3
VARBL													
CALM												2.6	
	4.9	16.1	32.2	28.0	10.4	4.2	1.2	.2	.0			100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 2430

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.7	2.4	1.3	.2							6.7	8.0
NNE	.9	.5	1.2	.9	.2	.1						4.2	8.2
NE	1.3	1.9	2.4	.8								6.4	6.7
ENE	.3	1.2	1.9	.2	.1							3.4	7.1
E	.7	1.9	2.9	.6	.1							5.8	7.1
ESE	.2	1.2	1.9	.9	.2	.0						4.5	8.9
SE	.5	1.8	3.2	1.9	.3							7.3	8.5
SSE	.3	1.5	3.8	2.6	.9	.4	.2					9.7	11.1
S	.2	1.6	4.2	5.6	2.2	.5	.3					15.1	12.2
SSW	.5	1.5	1.8	1.7	.5	.6	.1					6.8	11.9
SW	1.4	1.5	1.4	.6	.1	.3						5.6	7.4
WSW	.6	.7	.3	.3	.1	.0						1.9	6.8
W	.5	.9	.8	.5	.1							2.9	7.3
WNW	.6	.9	.9	.3	.0							2.7	6.8
NW	.5	.6	1.2	.3			.0					2.9	7.3
NNW	.5	1.5	1.1	.6	.1							3.9	7.6
VARBL													
CALM												10.2	
	10.4	22.1	30.9	18.6	5.2	1.9	.6		.1			100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2330

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.4	1.7	.6	.1							4.9	7.2
NNE	1.0	1.0	2.0	.5	.4							5.0	7.9
NE	1.0	1.4	1.6	.5	.0							5.1	6.1
ENE	.4	1.4	1.0	.2	.0							3.0	6.4
E	.8	2.0	1.1	.2								4.2	6.0
ESE	.4	1.2	1.6	.7	.2	.0						4.2	8.4
SE	.6	2.2	3.2	1.7	.4	.2						8.3	9.1
SSE	.3	1.0	3.4	4.5	1.3	.7		.0				11.1	12.2
S	.7	1.0	2.6	5.0	1.9	.5	.3	.2				12.2	13.2
SSW	1.3	1.0	.9	1.0	.9	.4	.2					5.7	10.8
SW	2.0	1.7	1.3	.6	.2	.2						6.0	6.8
WSW	.3	.4	.3	.2	.0							1.2	6.7
W	.5	.7	.6	.4	.1							2.3	7.6
WNW	.3	.3	.5	.0								1.2	6.4
NW	.2	.8	.7	.1								1.9	6.5
NNW	.4	.5	.9	.6	.0	.0						2.9	8.0
VARBL													
CALM												20.7	
	11.8	18.5	23.5	17.0	5.7	2.1	.5	.2				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

2288

4  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-45, 48-49, 57-71  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	1.4	1.4	.3	.1							5.0	5.9
NNE	1.0	2.1	1.7	.3	.2	.0						5.3	6.9
NE	1.7	2.1	1.4	.4	.0							5.8	5.8
ENE	.1	.9	.6	.7	.0							2.2	7.3
E	1.0	.9	.8	.4	.2							3.3	6.7
ESE	.4	1.2	1.0	.6								3.2	7.2
SE	.7	1.4	2.8	2.2	.4							7.1	9.6
SSE	.3	1.6	2.9	3.4	.8	.2						9.4	10.9
S	1.1	1.9	3.8	6.1	2.2	.3	.1					15.5	11.6
SSW	.7	1.2	2.2	2.0	.5	.3	.2					7.0	10.6
SW	1.9	1.4	1.2	.5	.3							5.3	6.6
WSW	.4	.5	.3	.2	.1							1.4	6.9
W	.3	.6	.7	.1								1.6	6.3
WNW	.1		.3									.4	6.7
NW	.3	.2	.7	.2								1.5	7.4
NNW	.3	.7	.3	.2	.0							1.6	6.7
VARBL													
CAIM												24.4	
	12.3	18.0	22.0	17.1	5.0	.9	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2139

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 57-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.0	.8	.5	.0							5.0	5.7
NNE	1.3	2.0	1.1	.3	.1							4.0	6.0
NE	2.0	1.8	1.3	.4								5.4	5.4
ENE	.7	.9	.8	.4	.1							2.9	7.3
E	.8	1.3	.8	.7								3.6	6.7
ESE	.7	.7	1.1	.6	.2							3.2	7.9
SE	1.1	1.7	1.8	.9	.3							5.3	7.9
SSE	.8	.7	2.2	2.2	.5	.1						6.7	10.2
S	2.0	2.7	4.1	3.1	1.0	.2	.1					13.2	9.2
SSW	1.4	2.6	2.4	1.5	.6	.4	.1					8.9	8.9
SW	1.8	1.8	1.6	.7	.2							6.0	6.5
WSW	.7	.8	.5	.0	.0	.0						2.2	5.6
W	.9	.3	.7	.1	.0							2.0	5.2
WNW	.3	.4	.6	.1	.0							1.4	7.2
NW	.3	.4	.4	.0	.0							1.2	6.2
NNW	.3	.4	.7	.1	.0		.0					1.7	7.8
VARBL													
CALM												26.5	
	16.7	19.9	20.9	11.7	3.3	.8	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2146

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.3	.4	.2	.1	.0					4.5	7.5
NNE	1.1	1.4	1.5	.4	.1	.0						4.5	6.6
NE	1.6	2.1	2.2	.6								6.5	6.3
ENE	.7	1.1	1.2	.6								3.6	6.9
E	.6	1.3	1.4	.4	.0							3.8	6.9
ESE	.2	.6	1.3	.4	.2							2.9	8.6
SE	.6	1.0	2.0	1.5	.4	.0						5.4	9.6
SSE	.7	.8	2.1	1.5	.8	.2	.0					6.2	10.8
S	1.3	2.9	3.9	4.0	1.3	.4	.1	.0				14.1	10.2
SSW	1.0	2.0	2.7	3.4	1.2	.5	.0					10.8	11.0
SW	2.2	2.9	2.1	.9	.5	.1						8.4	7.1
WSW	.5	1.1	.8	.2								2.2	5.7
W	.6	.9	.8	.1								2.1	6.1
WNW	.1	.5	.4									1.1	6.0
NW	.2	.4	.7	.1								1.4	6.9
NNW	.3	.6	1.1	.4	.1							2.6	8.1
VARBL													
CALM												19.9	
	12.6	20.8	25.2	14.9	4.9	1.5	.2	.0				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 2246

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.6	2.4	1.0								5.6	7.8
NNE	.5	1.0	1.9	1.0	.0							4.4	8.4
NE	.6	1.6	2.4	.8	.0							5.5	7.6
ENE	.2	1.1	2.3	.7	.0							4.3	8.1
E	.3	1.0	2.2	.9								4.6	8.0
ESE	.5	.7	1.4	1.0	.4	.1						3.9	10.2
SE	.7	.8	2.0	2.0	.4	.1						5.9	9.7
SSE	.3	1.1	2.0	2.7	1.0	.2	.0					7.4	11.5
S	.6	1.7	3.6	7.1	2.4	.5	.1					16.1	12.2
SSW	.5	1.0	3.2	5.0	2.5	1.2	.3					13.6	13.4
SW	.8	1.2	3.6	1.6	1.2	.2						8.5	10.1
WSW	.4	1.7	1.5	.4	.1							4.1	7.0
W	.7	.9	.5	.2								2.4	5.8
WNW	.2	.4	.4	.3	.0							1.3	7.4
NW	.5	.9	1.1	.3	.1							2.9	7.5
NNW	.3	.9	1.7	.3	.1							3.3	8.0
VARBL													
CALM												6.4	
	7.5	17.7	32.2	22.0	8.3	2.3	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 2252

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	3.2	1.1	.2	.0						6.3	8.8
NNE	.1	.5	1.9	.6								3.4	9.4
NE	.5	1.2	2.2	.8	.0							4.0	7.9
ENE	.4	1.1	1.7	.5	.0							3.8	7.6
E	.5	1.3	1.7	1.0	.1	.0						4.6	8.2
ESE	.2	1.0	2.0	.8	.3							4.2	9.0
SE	.4	1.5	2.3	1.5	.4	.3	.1					6.5	10.1
SSE	.3	1.3	2.6	3.9	1.3	.3	.0					9.7	11.7
S	.5	1.5	5.4	8.0	2.9	.8	.2					19.2	12.7
SSW	.3	1.2	2.7	3.2	2.1	1.4	.2					11.0	13.0
SW	.7	1.4	2.4	1.6	1.0	.3	.0					7.4	10.4
WSW	.4	1.1	.8	.4	.0							2.7	7.2
W	1.0	.9	1.2	.3			.0			.0		3.5	7.0
WNW	.4	.9	.7	.4								2.4	6.6
NW	.6	1.0	1.2	.5								3.3	7.3
NNW	.6	1.0	1.5	.5	.1							3.7	7.3
VARBL													
CALM												3.5	
	7.5	18.0	32.5	25.3	8.4	3.2	.6			.0		100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2239

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      39-45, 47-49, 56-72 YEARS      JUN MONTH  
ALL WEATHER CLASS      1500-1700 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	2.4	1.5	.0							6.4	7.9
NNE	.4	1.3	2.2	1.0	.1							5.1	8.3
NE	.3	1.6	2.5	.7	.0							5.1	8.0
ENE	.3	1.3	1.7	.9								4.2	8.2
E	.6	1.0	1.9	.8	.1							4.4	8.2
ESE	.3	.8	1.6	.9	.1	.0						3.6	8.9
SE	.5	1.4	2.6	1.8	.6	.2	.0					7.2	10.3
SSE	.3	1.2	3.5	4.2	1.7	.3						11.3	12.1
S	.5	1.5	6.2	8.4	3.3	1.6	.3					21.9	13.1
SSW	.2	.4	2.5	1.9	1.9	.8	.2	.0				8.1	13.9
SW	.5	.9	1.4	.7	.9	.2						4.6	10.6
WSW	.2	.6	.8	.3	.0							1.9	7.6
W	.6	.8	1.0	.1								2.5	6.1
WNW	.3	.7	.9	.1								2.0	6.5
NW	.9	.9	1.4	.5	.1							3.8	7.0
NNW	.4	1.0	1.2	.7					.0			3.3	7.9
VARBL													
CALM												4.5	
	7.5	16.6	33.8	24.7	9.1	3.1	.5	.0	.0			100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2195

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      39-45,48-49,57-72 YEARS      JUN MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.7	2.3	1.0	.1							5.8	0.0
NNE	.5	1.5	1.9	.6	.0							4.5	7.4
NE	.8	2.2	1.7	.4								5.2	6.2
ENE	.7	1.7	2.0	.7	.0							5.1	7.1
E	1.3	2.6	1.9	.6								6.4	6.1
ESE	.7	1.7	2.2	1.0	.0							5.6	7.6
SE	.7	2.7	3.7	1.3	.5	.1	.0					9.0	8.6
SSE	.6	2.8	5.6	5.3	1.7	.2	.1					16.2	10.7
S	.7	2.2	5.0	6.2	2.1	.2	.1	.2				17.0	11.9
SSW	.3	.5	1.2	.8	.4	.1	.1					3.4	10.6
SW	.7	.5	.7	.3	.1	.0						2.4	7.2
WSW	.3	.3	.2	.0								.9	5.1
W	.4	.5	.3		.0							1.2	5.4
WNW	.0	.4	.3	.0								.8	6.6
NW	.5	.9	.5	.2		.0						2.1	6.2
NNW	.6	1.0	.8	.3								2.8	6.5
VARBL													
CALM												11.7	
	9.5	23.4	30.2	16.7	5.2	.9	.3	.2				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2102

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 57-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.4	1.5	.5				.0				4.6	6.9
NNE	.8	1.6	1.4	.6	.1							4.5	6.8
NE	1.6	1.4	1.9	.3	.0							5.7	5.9
ENE	.7	.4	.8	.4	.0							2.8	6.5
E	1.3	1.9	1.3	.3								4.8	5.7
ESE	1.0	1.5	1.8	.8	.1							5.1	7.1
SE	.3	2.7	4.1	2.9	.3	.0						10.7	9.3
SSE	.4	1.5	4.8	6.3	1.8	.3		.0				15.3	11.8
S	.7	1.2	2.5	5.1	2.7	1.1	.1	.0				13.3	13.5
SSW	.4	.5	.8	.6	.6	.1	.0					3.1	11.1
SW	1.2	1.0	.5	.3	.1	.0						3.2	6.1
WSW	.4	.0	.1	.0								.6	5.2
W	.1	.2	.1	.1								.7	6.3
WNW	.2	.2	.2	.1	.1							.8	8.2
NW	.2	.3	.4	.1								1.1	6.2
NNW	.3	.5	.6	.3	.0							1.7	7.3
VARBL													
CALM												21.7	
	11.1	17.3	23.0	18.8	6.1	1.7	.2	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2122

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,56-71  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	1.0	.1	.0	.0						3.8	3.7
NNE	1.4	1.0	1.3	.2	.0							4.0	3.8
NE	1.2	1.7	.7	.3								4.7	5.5
ENE	.5	.9	.4	.0								1.8	5.1
E	.4	1.5	.8	.2								3.3	5.6
ESE	.5	.9	1.4	.5								3.2	7.5
SE	.5	1.6	2.7	1.8	.9	.1						7.3	9.6
SSE	.5	.9	2.9	2.3	.9	.2						7.6	10.7
S	1.0	1.8	4.2	5.7	1.0	.2						14.8	10.2
SSW	1.4	1.5	3.2	2.0	.6	.1						9.0	8.9
SW	2.3	1.2	1.6	1.1	.4	.1						6.7	7.5
WSW	.2	.4	.4	.0								.9	6.4
W	.4	.3	.3	.0			.0					1.0	6.0
WNW	.1	.1	.0									.3	3.7
NW	.3	.2	.3	.0	.2							.9	7.9
NNW	.5	.4	.5									1.5	5.5
VARBL													
CALM												28.9	
	14.3	16.0	21.5	14.7	3.7	.8	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2219

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0530  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.3	.8	.1	.0							4.2	4.9
NNE	1.8	1.3	.7	.1	.0							3.6	4.8
NE	1.8	2.0	1.4	.2		.0						5.5	5.6
ENE	.5	.5	.5	.5	.5							2.1	5.4
E	.8	.9	.5	.2								2.5	5.5
ESE	.3	.9	.8	.8	.0			.0				2.9	8.7
SE	.5	1.1	1.6	1.0	.2	.1						4.4	8.8
SSE	.4	.4	1.4	.9	.3							3.9	8.8
S	2.2	2.9	3.2	2.7	.3	.1						11.4	7.9
SSW	2.4	3.3	3.0	1.6	.2	.0						10.6	6.9
SW	3.2	3.0	1.9	.6	.4	.1						9.3	6.2
WSW	1.1	.7	.4		.0							2.3	4.7
W	.4	.5	.3	.0	.0							1.1	5.6
WNW	.0	.2	.1									.3	5.6
NW	.2	.2	.2									.6	5.4
NNW	.1	.5	.2		.0							.8	6.2
VARBL													
CALM												34.4	
	17.3	20.4	17.1	8.5	1.7	.4		.0				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2245

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.4	.7	.2	.1	.0						3.7	5.3
NNE	1.6	1.5	1.3	.4								4.8	5.8
NE	2.0	2.5	1.9	.4								6.8	5.6
ENE	.4	1.4	.8	.2								2.7	6.0
E	1.0	1.3	.9	.4	.0							3.7	6.0
ESE	.4	.9	1.0	.4		.0						2.8	7.2
SE	.5	1.3	1.6	1.0	.2							4.6	8.3
SSE	.4	1.0	1.5	1.2	.2	.1						4.3	9.3
S	1.7	2.6	3.5	2.7	.4	.0						11.0	8.4
SSW	2.1	3.5	4.3	2.7	.6	.2						13.5	8.4
SW	2.2	3.3	3.6	.9	.2	.1	.0					10.5	7.0
WSW	.8	.7	.8	.1								2.1	5.3
W	.5	.4	.2	.1								1.7	5.9
WNW	.2	.1	.2	.0								.1	6.4
NW	.3	.4	.2	.0								.1	4.7
NNW	.4	.4	.3	.1	.0							1.3	6.3
VARBL													
CALM												25.3	
	15.9	22.7	22.6	11.0	2.0	.5	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2460

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.4	1.4	.0								4.3	6.6
NNE	.3	1.7	2.0	.5								4.6	7.4
NE	.6	2.0	2.1	.7	.0							5.4	7.2
ENE	.4	1.7	1.5	.4								4.0	6.7
E	.5	1.4	1.9	.4								4.5	6.7
ESE	.5	1.3	1.9	.6	.1							4.3	7.7
SE	.6	2.0	2.9	1.3	.2							7.3	8.1
SSE	.3	1.2	2.2	1.5	.4	.1						5.8	9.8
S	.3	2.5	5.2	4.2	1.1	.2						14.1	10.0
SSW	.4	2.0	5.3	5.4	1.6	.2	.0					15.1	11.1
SW	.8	1.5	4.5	2.7	.9	.3						10.8	10.0
WSW	1.0	1.5	.9	.5	.0							3.9	6.3
W	.9	1.2	.6	.0								2.7	4.9
WNW	.3	.4	.1									.8	4.8
NW	.3	.5	.6	.2		.0						1.6	7.5
NNW	.6	.8	.4	.3	.0							2.1	6.2
VARBL													
CALM												3.9	
	9.7	23.1	33.5	19.5	4.5	.9	.0					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2462

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 13947 STATION NAME FORT RILEY KANSAS/MARSHALL AAF YEARS 39-49, 56-72 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.6	1.7	.7	.0							5.1	6.7
NNE	.7	1.5	1.8	.6	.1							4.6	7.3
NE	.7	1.8	2.9	.7	.1							6.2	7.4
ENE	.4	1.3	2.2	.5								4.7	6.8
E	.8	2.3	2.6	.8	.0							6.6	7.3
ESE	.4	1.2	2.1	.5								4.2	7.4
SE	.4	1.6	3.5	1.4	.4	.1						7.4	9.1
SSE	.4	1.8	3.1	2.5	.8	.2						8.8	10.1
S	.5	2.8	5.9	6.1	1.9	.4						17.5	11.0
SSW	.4	1.1	4.1	4.9	2.0	.3						12.8	12.1
SW	.7	1.2	2.2	2.1	.8	.0	.1					7.1	10.6
WSW	.7	.6	.9	.3	.1							2.6	7.1
W	.7	.7	.9	.3								2.6	6.1
WNW	.2	.3	.3									.9	5.7
NW	.2	.7	.4	.2		.0						1.6	7.1
NNW	.3	1.3	.9	.2								2.7	6.5
VARBL													
CALM												4.9	
	8.4	22.0	35.4	21.6	6.3	1.1	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2453

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1:00-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS); DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.9	2.3	.8								5.9	7.2
NNE	.7	1.3	1.9	.6	.1							6.8	7.6
NE	.8	2.6	3.0	1.1	.0							7.3	7.4
ENE	.6	1.3	1.5	.3								3.6	6.4
E	.7	6.0	6.4	.3								5.9	7.0
ESE	.3	1.2	2.7	.8	.0							5.1	8.2
SE	.9	1.6	3.2	1.9	.3	.1						7.9	8.7
SSE	.6	1.3	4.6	3.0	1.0	.3	.0					10.9	10.5
S	.9	2.3	6.3	7.6	2.0	.3	.0					19.2	11.2
SSW	.3	.7	2.6	4.5	1.4	.5						10.0	12.8
SW	.3	1.1	1.9	2.3	.6	.2	.0					6.4	10.9
WSW	.6	.3	.5	.1	.1	.0						1.2	7.8
W	.9	.0	.4	.0								1.5	5.4
WNW	.1	.2	.2	.0	.0							.7	6.8
NW	.2	.5	.6	.1								1.4	6.2
NNW	.4	.7	.7	.2	.0							2.0	6.6
VARBL													
CALM												5.8	
	3.0	19.9	34.8	24.3	5.6	1.4	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 2411

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1806-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.7	1.8	.5	.0							4.9	6.7
NNE	.7	1.3	1.1	.3	.0							3.5	6.3
NE	1.3	2.5	2.3	.5								6.7	6.4
ENE	1.0	2.6	1.2	.1	.0							4.9	5.5
E	1.7	4.1	2.2	.5								8.4	5.9
ESE	.7	2.0	2.3	.8								5.8	7.2
SE	1.1	3.4	4.9	2.2	.1	.0						11.7	7.9
SSE	.7	2.1	0.1	3.3	.3	.2						12.6	9.4
S	1.1	3.9	7.1	5.5	1.8	.4						19.9	10.1
SSW	.5	.5	1.0	1.2	.3	.1						4.2	9.7
SW	.3	.5	.7	.4	.2	.1						2.2	9.5
WSW	.1	.2	.1									.4	5.0
W	.3	.2	.2									.6	5.0
WNW	.1	.2	.1									.4	5.0
NW	.4	.4	.1									1.0	4.2
NNW	.5	.5	.6	.1								1.5	6.5
VARBL													
CALM												11.3	
	11.2	26.0	32.2	15.5	2.8	.8						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2223

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.5	.6	.1		.0						2.8	5.5
NNE	.9	1.2	.6	.1								2.8	5.4
NE	2.0	1.3	1.5	.6								5.4	6.0
ENE	.7	1.2	.6	.2								2.8	5.7
E	1.4	2.3	1.9	.4	.0							3.0	2.9
ESE	1.1	1.6	1.9	.7								5.4	6.7
SE	.6	3.1	4.7	2.8	.8							12.0	7.1
SSE	.3	1.4	4.7	4.7	.9	.4						12.5	11.2
S	1.2	1.8	4.7	5.4	2.1	.6						15.7	11.4
SSW	.7	.9	1.0	.9	.4	.0						4.0	9.1
SW	.6	.4	.2	.4	.4							2.2	9.0
WSW	.0	.1	.0	.1								.3	7.7
W	.1	.3	.1									.5	4.8
WNW	.2		.0									.2	3.4
NW	.3	.2	.1	.0								.7	3.0
NNW	.3	.2	.1	.1	.0							.8	6.0
VARBL													
CALM												26.1	
	11.2	17.7	22.8	16.7	4.5	1.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2224

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13967  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	.7	.3	.0	.0						3.5	5.9
NNE	1.5	1.1	1.1	.2	.1							4.1	5.6
NE	2.2	1.2	1.1	.4	.1							4.9	5.6
ENE	.7	1.0	.7	.1								2.5	5.6
E	.6	1.1	.7	.2								2.7	6.4
ESE	.3	.7	1.1	.1								3.0	8.3
SE	.9	1.1	3.0	2.2	.5	.4						7.4	10.3
SSE	.3	.8	2.1	3.0	1.1	.1						8.4	11.3
S	1.6	1.5	4.0	5.7	1.2	.2						14.3	10.7
SSW	.7	1.7	3.1	3.7	.3	.2						10.3	10.3
SW	1.8	1.4	1.4	.4	.0							5.1	5.7
WSW	.3	.4	.1	.1	.0	.0						.9	6.0
W	.4	.2	.2	.0	.0							.9	5.3
WNW	.0	.0	.1	.2	.0							.4	10.4
NW	.2	.4	.1	.1								.8	5.4
NNW	.1	.4	.2	.1								.8	7.3
VARBL													
CALM												30.0	
	12.5	14.0	20.7	17.6	4.2	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2271

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

1947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.5	1.2	.4	.1							4.8	5.9
NNE	1.3	1.5	.6	.1								3.6	4.4
NE	1.8	2.1	1.0	.4	.0							5.3	5.4
ENE	.8	1.0	.6	.1								2.5	4.9
E	.7	1.1	.3	.3								2.5	5.8
ESE	.7	.9	.5	.6								2.3	6.9
SE	.5	1.2	1.6	1.5	.3	.0						5.0	9.3
SSE	.5	.6	1.5	1.3	.4	.0	.0					4.4	10.2
S	2.4	2.6	2.9	2.9	.6	.1	.0					11.6	8.5
SSW	1.8	3.2	3.8	2.1	.5	.1	.0					11.5	8.1
SW	2.1	2.5	1.6	.3	.1	.0						6.9	5.9
WSW	.4	1.0	.3									1.7	4.9
W	.3	.4	.2	.1								1.0	5.3
WNW	.2	.2	.1	.1								.6	5.4
NW	.2	.3	.3		.0							1.0	5.7
NNW	.3	.2	.4	.1	.0							1.2	7.1
VARBL													
CALM												34.1	
	15.5	20.3	16.9	10.6	2.2	.3	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.4	1.2	.6	.1							5.0	6.0
NNE	1.7	1.2	1.4	.2	.0							4.5	5.5
NE	2.3	2.2	1.7	.5								6.6	5.5
ENE	.8	1.2	.6	.2	.0							2.8	5.8
E	1.0	1.1	1.2	.2								3.5	5.6
ESE	.5	.8	1.0	.4	.2							2.9	7.8
SE	1.1	1.1	1.9	1.1	.4							5.6	8.3
SSE	.4	1.0	1.1	1.1	.2	.1	.0					3.9	9.4
S	1.8	2.1	2.9	2.1	.6	.1						9.7	8.6
SSW	1.6	4.1	4.4	3.0	.5	.2	.0					13.9	8.6
SW	2.3	2.7	2.4	.9	.4	.0						8.7	6.8
WSW	.9	.8	.4	.0	.0							2.1	4.8
W	.5	.4	.2									1.2	4.4
WNW	.3	.2	.1									.6	4.5
NW	.2	.2	.2	.2								.8	6.9
NNW	.3	.3	.4	.1								1.1	6.9
VARBL													
CALM												27.1	
	17.4	20.8	21.1	10.6	2.6	.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2517

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	1.5	.8	.1							4.9	7.1
NNE	.7	1.4	1.8	.7	.1							4.6	7.3
NE	.8	1.4	3.2	1.1	.0							6.6	7.9
ENE	.5	1.1	1.1	.3								3.0	6.5
E	.8	1.9	2.5	.5	.0							6.1	7.2
ESE	.4	1.1	1.6	.6	.1							3.8	7.7
SE	.8	1.5	2.6	1.2	.4	.0						6.6	8.6
SSE	.5	1.2	2.2	1.5	.4	.2	.0					5.9	9.8
S	1.1	1.7	5.3	4.5	1.0	.4	.0	.0				14.0	10.6
SSW	.9	1.7	4.8	5.8	2.4	.6	.1	.0				16.4	11.7
SW	1.0	1.5	3.0	3.3	.5	.2						9.5	9.8
WSW	.6	1.3	1.7	.6		.0						4.4	7.1
W	.7	1.3	.6	.1								2.6	5.1
WNW	.3	.4	.6									1.3	6.0
NW	.2	.7	.2	.1								1.5	4.9
NNW	.4	.6	.8	.2								1.9	6.7
VARBL													
CALM												6.9	
	11.2	20.1	33.6	21.5	5.0	1.5	.2	.0				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 2541

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.4	2.0	1.0	.1							5.3	7.8
NNE	.0	1.7	2.2	.7	.0							5.3	7.6
NE	.4	2.1	3.2	1.2	.2							7.2	8.4
ENE	.1	1.4	1.2	.3	.0							3.2	6.9
E	.7	1.8	2.2	.4	.0	.0						5.1	7.0
ESE	.4	1.3	2.2	.7	.1							4.8	7.4
SE	.6	1.2	3.1	1.6	.3	.1						7.1	9.4
SSE	.3	1.2	3.0	2.9	.8	.1						8.9	10.4
S	.6	1.8	4.8	5.8	2.1	.4	.0					15.2	11.8
SSW	.4	1.1	3.8	5.9	2.0	1.1	.1					14.4	12.9
SW	.3	1.3	2.7	2.2	.7	.4						7.8	11.0
WSW	.3	.9	1.2	.4	.0							2.9	7.7
W	.7	1.1	.9	.2								2.9	5.8
WNW	.5	.5	.4	.1								1.6	5.8
NW	.4	.7	.6	.2		.0						1.9	6.8
NNW	.4	.6	1.0	.4	.0							2.4	7.8
VARBL													
CALM												3.9	
	8.0	20.0	35.3	23.8	6.6	2.3	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 2550

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      AUG MONTH  
ALL WEATHER CLASS      1500-1700 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	2.7	1.1	.1							6.5	7.6
NNE	.8	1.3	2.2	.7	.1		.0					5.1	7.9
NE	1.0	2.1	3.1	1.1	.2							7.5	7.5
ENE	.4	1.9	2.2	.7								4.7	7.7
E	1.1	2.3	2.9	.8								7.1	6.9
ESE	.5	1.3	1.4	1.0	.0	.1						4.3	8.2
SE	.5	1.8	3.4	1.8	.4							7.8	9.0
SSE	.4	1.4	4.0	3.9	1.6	.2						11.4	11.3
S	.4	1.9	4.3	7.0	2.4	.6	.0					16.5	12.1
SSW	.1	1.0	2.5	4.9	1.9	.8	.0					11.2	13.5
SW	.8	1.0	1.2	1.5	.4	.4						5.2	10.4
WSW	.2	.8	.4	.2								1.6	6.3
W	.6	.8	.6	.0								2.1	5.3
WNW	.3	.2	.5	.0								1.0	6.3
NW	.4	.6	.5	.2								1.7	6.3
NNW	.2	.6	.8	.4	.0							2.0	7.8
VARBL													
CALM												4.3	
	8.6	20.2	32.9	25.2	7.1	2.1	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2509

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

AUG  
NORTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.9	1.3	.5	.1		.0					5.1	6.4
NNE	1.1	1.3	1.3	.5	.0							4.0	6.2
NE	1.3	1.6	2.7	.4	.1							6.4	6.5
ENE	1.0	2.2	1.5	.5		.0						4.9	5.1
E	1.2	3.2	2.6	.4								7.4	6.2
ESE	.9	2.1	2.7	.8								6.5	7.0
SE	1.3	2.9	5.2	2.3	.6	.1						12.4	8.6
SSE	.4	3.3	5.2	4.6	1.0	.1						14.8	10.1
S	.8	2.4	3.8	4.7	.9	.2						14.8	9.9
SSW	.4	.9	1.4	1.2	.3	.1	.0					4.3	9.9
SW	.5	.6	.5	.1	.1	.0						1.9	6.8
WSW	.1	.3	.0									.9	4.3
W	.2	.1	.2	.2								.7	6.8
WNW	.2	.1	.0	.0	.0							.5	5.7
NW	.3	.4	.3	.0			.0					1.1	6.8
NNW	.4	.4	.2									1.0	4.8
VARBL													
CALM												13.7	
	11.4	24.1	31.0	15.6	3.2	.6	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2329

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.8	.8	.3	.1							3.9	5.7
NNE	.8	.8	.5	.4								2.5	6.2
NE	1.8	2.0	1.3	.2	.2							5.5	5.5
ENE	.6	1.4	.6	.0	.0							2.7	5.5
E	1.0	2.2	2.0	.1								5.4	5.9
ESE	.4	1.7	2.1	1.1	.0							5.3	7.9
SE	.8	2.4	4.6	4.2	.6	.3						12.9	10.0
SSE	.6	1.0	5.2	5.5	1.7	.4	.0					14.5	11.5
S	.9	1.3	3.1	6.0	1.6	.7	.1					14.0	12.3
SSW	.4	.5	.9	.9	.5	.0						3.3	10.6
SW	.9	.7	.8	.1	.1							2.6	6.0
WSW	.3	.1	.1									.5	4.3
W	.4	.2	.2									.8	4.2
WNW	.0	.1		.0	.0							.2	8.2
NW	.2	.3	.2	.0								.7	5.9
NNW	.4	.3	.2									.8	4.4
VARBL													
CALM												24.2	
	10.6	16.9	22.6	19.0	5.1	1.4	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 2253

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.7	1.7	.6	.2							5.3	6.8
NNE	1.2	1.6	1.0	.8	.0	.0						4.6	6.8
NE	2.0	2.0	1.4	.6	.1	.0						6.1	6.1
ENE	.9	1.0	1.2	.2	.0							3.4	6.4
E	1.0	1.0	1.6	.2								3.3	5.7
ESE	.2	.5	.8	.4	.0		.0					2.0	8.7
SE	.7	1.2	2.0	1.4	.3	.1						5.6	9.1
SSE	.3	.5	2.6	2.0	1.1	.3						6.7	11.9
S	1.2	1.2	2.5	4.7	1.7	1.0	.1					12.4	12.5
SSW	.7	1.4	1.7	1.7	1.0	.5						7.1	11.1
SW	1.4	1.4	1.2	.6	.4	.2	.1					5.9	7.7
WSW	.3	.8	.2									1.3	4.8
W	.5	.2	.1	.0								.9	4.2
WNW	.1	.2	.0	.1	.0							.4	7.4
NW	.2	.5	.4	.1								1.1	6.1
NNW	.4	.4	.6	.2	.1							1.7	7.6
VARBL													
CALM												32.0	
	12.1	16.0	18.6	13.6	5.1	2.2	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.6	1.5	.8	.2							5.7	6.9
NNE	1.4	2.0	1.7	.7	.1		.0					5.9	6.8
NE	2.3	1.7	1.4	.3	.1	.0						5.9	5.6
ENE	.6	1.3	1.1	.2	.0							3.3	6.4
E	.9	.5	.7	.5	.0							2.4	6.0
ESE	.5	.6	.9	.6	.1							2.4	8.9
SE	.5	.6	.9	.7	.1							2.9	8.5
SSE	.3	.6	1.1	1.2	1.0	.3						4.5	12.3
S	1.4	1.4	2.2	3.0	1.4	1.0	.0					10.6	11.4
SSW	1.4	1.5	2.6	1.8	1.0	.3						8.6	9.8
SW	2.3	2.2	2.2	.7	.3	.3						8.1	7.2
WSW	.5	.8	.4	.1		.0						1.9	5.8
W	.4	.4	.3	.1								1.2	5.4
WNW	.0	.1	.1									.3	6.1
NW	.3	.5	.3	.0								1.1	6.0
NNW	.2	.6	.9	.2								1.9	7.3
VARBL													
CALM												33.2	
	14.2	16.4	18.4	11.0	4.9	1.9	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 2287

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURLY (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.0	1.8	.7	.1							5.9	6.7
NNE	1.3	1.8	1.6	.6	.2							5.5	6.8
NE	2.6	2.2	2.6	.8	.1	.1						8.3	6.4
ENE	.3	.9	.8	.3								2.3	6.8
E	.6	1.0	.9	.3								2.9	6.3
ESE	.4	.4	.6	.4	.2							2.1	8.7
SE	.7	.6	.9	1.0	.2	.0						3.4	8.8
SSE	.5	.5	1.2	.9	.4	.3	.0	.0				3.9	11.5
S	1.5	1.4	2.9	3.4	1.3	.4	.1		.0			12.0	10.9
SSW	1.2	2.1	2.6	2.7	1.1	.5						10.2	10.2
SW	2.3	2.3	2.2	1.5	.4	.1						9.0	7.4
WSW	.4	.8	.4	.0								1.7	5.0
W	.7	.4	.2	.0								1.3	4.6
WNW	.0	.1	.3	.0								.5	6.8
NW	.2	.4	.6	.2								1.7	7.2
NNW	.2	.3	.4	.1	.0							1.3	7.0
VARBL													
CALM												28.2	
	14.5	17.8	20.3	13.5	4.1	1.5	.2	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2476

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	3.2	1.1	.3	.0						7.5	8.2
NNE	.7	1.4	2.0	1.3	.4	.2						6.0	9.3
NE	.6	2.1	2.7	1.2	.2	.0						6.9	8.1
ENE	.5	1.0	1.6	.8	.1							4.0	8.0
E	.7	1.4	2.1	.2								4.4	6.5
ESE	.4	.5	1.4	.7	.0							3.0	8.1
SE	.6	.9	1.9	1.2	.1	.1						4.7	8.6
SSE	.2	.9	1.2	1.6	.7	.2						4.9	11.3
S	.4	1.9	4.2	5.4	2.1	1.6	.3					15.9	13.0
SSW	.8	.6	2.8	4.5	2.8	1.4	.0					12.9	13.7
SW	1.1	1.8	2.8	3.1	1.2	.9						10.8	11.4
WSW	.8	1.3	1.5	.6		.1						4.2	7.4
W	.6	1.0	.5									2.1	4.9
WNW	.2	.4	.3	.0								1.0	5.8
NW	.4	.4	.8	.4								1.9	7.8
NNW	.2	.5	1.4	.5	.1							2.7	8.0
VARBL													
CALM												7.3	
	9.1	17.4	30.5	22.4	7.9	4.9	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 2514

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.6	3.2	2.5	.3	.0						8.1	9.5
NNE	.4	1.6	2.5	1.3	.4							6.2	8.8
NE	.5	1.8	3.0	1.2	.2							6.7	8.5
ENE	.5	.8	1.5	.6	.1							3.9	8.0
E	.7	1.4	1.9	.6	.1							4.8	7.4
ESE	.5	1.0	1.4	.3								3.0	7.5
SE	.3	1.3	2.3	1.3	.4							5.3	9.3
SSE	.3	.7	2.6	2.3	.7	.2	.1					6.8	11.4
S	.7	1.4	3.5	6.1	3.1	1.4	.4					16.6	13.6
SSW	.4	.8	1.8	4.0	3.4	1.5	.4	.0				12.5	15.2
SW	.6	1.1	2.3	2.3	1.1	.8	.2					6.5	12.4
WSW	.5	.8	1.1	.7	.1	.0	.0					3.3	8.3
W	.7	1.2	.9	.5								3.3	6.4
WNW	.3	.4	.8	.3								1.9	7.3
NW	.1	.8	1.3	.4								2.7	8.2
NNW	.2	.8	1.3	.8	.2							3.2	9.1
VARBL													
CALM												3.7	
	7.0	17.5	31.5	25.1	10.0	3.4	1.2	.0				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 2520

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SFP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.0	3.5	1.4	.4	.0						8.7	8.8
NNE	.7	1.1	2.2	1.2	.2	.1						5.4	8.6
NE	.6	1.8	3.0	1.0	.1	.2						6.6	8.2
ENE	.4	1.7	1.8	.7								4.6	7.9
E	.6	1.9	1.9	.3	.0							4.2	6.7
ESE	.3	.3	1.5	.7	.1							3.4	8.6
SE	.4	.9	3.2	1.7	.3	.0						6.6	9.5
SSE	.3	.9	2.8	2.2	1.2	.3	.1					7.7	11.8
S	.7	1.2	3.4	7.0	3.3	1.4	.3					17.9	13.6
SSW	.1	.8	2.2	3.7	2.9	1.4	.3					11.0	14.7
SW	.7	.9	1.6	1.1	.6	.7	.0					5.6	11.4
WSW	.6	.7	.4	.2	.0	.0						1.6	7.5
W	.6	.8	.7	.1	.0							2.3	5.8
WNW	.2	.8	.6	.3								1.8	7.0
NW	.4	.9	1.5	.2	.0							3.0	7.2
NNW	.2	.7	1.8	.6	.2	.0						3.8	9.0
VARBL													
CALM												5.4	
	7.1	18.1	32.4	22.9	9.1	4.2	.7					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 2497

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	1.6	2.4	1.3	.1	.0						6.9	7.5
NNE	.6	1.7	1.0	.9	.1	.0						5.0	8.0
NE	1.8	2.1	1.8	.3	.1	.0				.0		5.8	6.4
ENE	.6	1.5	1.4	.3								3.7	6.4
E	1.1	2.0	2.1	.2								5.3	5.8
ESE	.4	1.3	1.2	.4		.0						3.4	5.8
SE	.5	2.1	2.2	1.5	.1							7.8	7.9
SSE	.5	1.5	4.2	4.4	1.2	.4	.0					12.4	11.3
S	1.0	2.4	4.8	5.6	2.0	1.2	.0					17.0	11.7
SSW	.5	.5	1.4	1.2	.6	.3						4.4	11.6
SW	.5	.5	.8	.3	.1	.2						2.4	8.7
WSW	.2	.3	.1									.6	4.6
W	.2	.2	.1	.0								.6	5.2
WNW	.2	.1	.2	.0								.6	5.8
NW	.2	.8	.4	.0								1.4	5.8
NNW	.5	.8	.8	.1								2.2	6.2
VARBL													
CALM												20.5	
	10.2	19.5	26.5	16.5	4.5	2.2	.1				.0	100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2339

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	2.0	.8	.1							6.4	7.0
NNE	.6	1.5	1.2	.6	.2							4.3	7.4
NE	2.2	1.8	1.4	.5	.1							6.1	5.7
ENE	.6	.8	1.3	.2	.1	.0						3.0	7.1
E	1.0	1.4	1.1	.4								2.9	6.1
ESE	.4	1.3	.8	.4	.0							2.9	6.9
SE	.7	1.1	2.8	2.2	.5	.0						7.4	9.8
SSE	.3	1.4	3.8	3.7	1.8	.7						11.6	12.0
S	.9	1.0	2.5	4.7	2.5	1.7	.3					13.5	14.0
SSW	.4	.4	.8	1.8	.7	.5	.0					5.1	12.4
SW	.9	1.3	.7	.4	.1	.1	.0					3.7	7.3
WSW	.2	.3	.1	.0								.7	5.3
W	.4	.3	.2	.0								.8	5.2
WNW	.1	.3	.1	.0								.5	5.5
NW	.0	.3	.2	.0								.6	6.5
NNW	.3	.4	.9	.3	.0							2.0	7.6
VARBL													
CALM												27.5	
	10.2	16.3	20.1	16.2	6.3	3.1	.4					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2272

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.0	1.9	.6	.3	.0						6.0	7.3
NNE	1.1	1.7	1.9	.3	.1							5.2	6.6
NE	1.6	1.4	.9	.4								4.3	5.3
ENE	.3	.3	.3	.0								1.0	5.5
E	.4	.5	.6	.1								1.6	6.1
ESE	.1	.4	.6	.4	.0							1.5	8.8
SE	.3	.3	1.2	1.4	.4	.3	.1					4.1	12.0
SSE	.3	.6	1.1	1.7	.6	.3	.0					4.5	12.1
S	1.5	.9	2.8	2.6	1.6	.7	.0					10.2	11.3
SSW	.6	2.4	2.5	1.8	.4	.3	.1					8.2	9.6
SW	2.1	3.3	2.2	1.0	.6	.2						9.7	7.2
WSW	1.2	1.3	.5	.2								3.1	5.1
W	1.0	.4	.4	.1								2.3	4.8
WNW	.3	.4	.3	.1								1.3	5.4
NW	.3	.3	.8	.3	.1							1.9	8.4
NNW	.5	.6	.9	.3	.1							2.9	7.3
VARBL													
CALM												32.8	
	13.1	17.5	18.7	11.5	4.3	1.9	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2322

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

GCT  
NORTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.2	1.8	.8	.2							6.2	6.8
NNE	1.1	2.2	1.9	.4	.0	.0						5.8	6.5
NE	1.4	1.5	1.8	.3	.1	.0						5.3	6.4
ENE	.8	.4	.3	.2								1.1	6.3
E	.3	.4	.2	.2								1.1	6.3
ESE	.1	.3	.3	.1								.8	7.4
SE	.3	.6	1.0	.9	.4	.3						3.4	11.2
SSE	.3	.9	1.2	1.2	.2	.3						3.8	11.2
S	1.5	1.7	2.5	2.5	1.3	.6						10.1	10.9
SSW	1.2	2.7	1.9	1.8	.9	.2						8.1	8.6
SW	2.9	3.1	2.5	.9	.3	.2						9.0	6.6
WSW	1.2	1.5	.9	.1	.0							3.0	5.4
W	.7	.8	.3	.0	.0							1.9	5.1
WNW	.3	.6	.5	.1	.0							1.6	6.6
HW	.3	.7	1.2	.2	.0							2.6	7.2
NNW	.3	.8	.7	.4	.0							2.3	7.6
VARBL													
CALM												32.2	
	13.6	19.5	19.2	10.3	3.3	1.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2360

4  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      OCT MONTH  
ALL WEATHER CLASS      0600-0800 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.3	2.1	1.2	.2	.1						7.2	7.5
NNE	1.3	2.1	1.9	.5								5.8	6.5
NE	1.6	2.2	1.5	.4	.0							5.7	5.7
ENE	.3	.5	.7	.2								1.7	6.9
E	.5	.6	.4	.2								1.8	6.0
ESE	.2	.4	.4	.1	.0							1.1	6.6
SE	.3	.6	.8	1.0	.4	.3	.0					3.6	11.1
SSE	.3	.4	1.5	1.2	.3	.3	.0					4.0	11.4
S	1.3	1.4	2.7	2.2	1.3	.9	.0					10.0	11.0
SSW	1.4	1.9	2.5	1.4	.9	.2						8.3	8.9
SW	2.3	2.7	3.3	1.3	.9	.2						10.3	7.9
WSW	1.3	1.1	.7	.7								3.4	4.8
W	.7	.8	.3		.1							2.0	5.3
WNW	.2	.6	.7	.1	.1							1.7	7.3
NW	.3	.7	.7	.0	.1	.0						1.8	7.0
NNW	.3	.6	1.3	.4								2.7	7.8
VARBL													
CALM												28.8	
	14.6	10.9	21.2	10.4	4.0	2.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2554

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

DCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.5	2.7	2.4	.6	.1						7.9	9.9
NNE	.9	1.6	2.5	1.0	.3							6.3	8.1
NE	.7	1.5	2.2	.7	.2							5.4	8.0
ENE	.1	.3	1.0	.3	.1							1.8	8.6
E	.6	.7	.9	.6	.1							3.0	7.5
ESE	.1	.6	1.0	.5	.0							2.3	8.6
SE	.4	1.0	1.3	1.1	.3	.0	.1					4.3	9.9
SSE	.3	.7	1.0	1.2	.8	.4	.1					4.4	12.6
S	1.0	1.2	2.1	4.3	2.0	1.4	.3	.0				12.4	13.6
SSW	.5	1.0	3.0	4.4	2.0	1.5	.2					12.5	13.6
SW	1.0	2.2	4.1	2.1	1.7	.7	.1					11.9	10.6
WSW	1.0	1.9	2.2	1.1	.1	.0						6.3	7.3
W	.8	.8	.9	.1	.0	.0						2.5	6.6
WNW	.2	.6	1.0	.5	.2							2.5	8.0
NW	.5	.4	.8	.8	.2							2.7	9.4
NNW	.1	1.0	2.2	.9	.3	.0						4.5	9.3
VARBL													
CALM												9.0	
	8.8	17.0	29.0	22.2	8.8	4.2	.8	.0				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 2599

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.4	4.1	3.1	.5	.1						9.8	10.4
NNE	.1	1.2	2.2	1.0	.2	.1						4.7	9.4
NE	.4	1.1	2.1	1.0	.2							4.9	8.8
ENE	.3	.7	1.2	.8								2.9	8.3
E	.5	.4	1.1	.4								2.5	7.3
ESE	.2	.4	.8	.5	.1							2.1	8.5
SE	.3	.5	1.6	1.0	.2	.2						3.8	10.1
SSE	.1	.5	1.5	1.0	.9	.5	.2	.0				5.5	13.9
S	.4	1.2	2.8	4.8	2.3	2.0	.3	.0				13.7	14.3
SSW	.2	.8	2.9	4.3	2.7	1.7	.5	.0				13.1	14.8
SW	.6	1.9	2.7	3.4	1.6	1.2	.3					11.7	12.6
WSW	.6	1.4	2.3	1.3	.2	.1						5.8	8.8
W	.5	1.5	1.9	.5	.1							4.5	7.5
WNW	.3	.5	1.3	.5	.1	.0						2.7	9.0
NW	.5	1.1	2.0	.8	.5							4.9	9.1
NNW	.2	1.0	2.1	1.0	.3							4.6	9.1
VARBL													
CALM												2.8	
	5.8	15.6	32.4	26.0	10.1	5.4	1.4	.1				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 2588

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

19947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	3.2	3.1	.5	.1						9.5	10.0
NNE	.4	.8	1.9	.4	.2	.1						4.2	8.9
NE	.6	1.6	2.1	.7								5.1	7.4
ENE	.2	.8	1.0	.5	.0							2.6	7.9
E	.6	.8	.8	.2								2.4	6.1
ESE	.2	.7	.9	.3	.0							2.2	7.7
SE	.3	.9	1.8	1.5	.3	.2	.1					5.1	10.4
SSE	.2	.5	1.7	1.4	.7	.3	.1					4.9	12.3
S	.7	1.4	3.4	5.4	2.5	1.9	.3					15.3	13.6
SSW	.3	1.4	3.1	4.9	1.9	1.1	.3					13.0	13.3
SW	.5	1.9	2.6	2.4	1.4	.8	.1					9.7	11.7
WSW	.8	1.3	.9	.8	.2	.1						4.1	8.0
W	.9	1.4	1.4	.5	.1	.0						4.3	7.0
WNW	.8	.7	1.2	.5	.1	.0						3.3	7.5
NW	.5	1.4	1.8	1.3	.0							5.1	8.3
NNW	.2	1.5	2.0	.8	.2	.0						4.8	8.6
VARBL													
CALM												4.4	
	7.9	18.7	30.5	25.2	8.3	4.2	.8					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 2589

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

19947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.6	2.4	1.0	.2							7.9	6.8
NNE	.7	1.2	1.5	.5	.1							4.0	7.1
NE	1.5	1.3	1.5	.2	.0							4.6	5.9
ENE	.5	.7	.8	.0								2.1	5.8
E	.5	1.0	.9	.2	.1							2.7	6.6
ESE	.5	1.3	.8	.4	.1							3.3	7.0
SE	.3	1.2	2.1	1.5	.5	.0	.0	.0				5.6	10.0
SSE	.2	1.0	2.7	2.2	.6	.2	.1					7.1	11.0
S	1.0	1.9	3.6	4.6	1.7	.3	.0					13.4	11.0
SSW	.7	1.8	2.4	1.0	.7	.0	.1					6.8	9.3
SW	1.2	1.7	1.7	.7	.3	.0						5.8	7.4
WSW	.7	.9	.1	.0	.0							1.7	4.7
W	.5	.6	.3	.1								1.6	5.4
WNW	.2	.4	.4	.2								1.1	6.7
NW	.6	.9	.5	.4	.0							2.5	6.6
NNW	.7	1.2	1.2	.4								3.3	6.6
VARBL													
CALM												26.3	
	11.7	19.6	23.1	13.9	4.4	.6	.3	.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

2408

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70, 72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.3	1.8	1.0	.2	.1						5.7	7.8
NNE	1.4	1.4	1.8	.5		.0						5.1	6.9
NE	1.7	1.7	1.3	.3								4.9	5.3
ENE	.3	.4	.3	.1								1.1	6.2
E	.4	1.1	.4	.2								2.1	5.9
ESE	.3	.6	.9	.4	.1							2.3	8.1
SE	.3	.5	1.4	1.3	.6	.3		.0				4.4	11.8
SSE	.3	.4	1.7	2.4	.9	.3		.0				6.1	12.5
S	1.3	.9	3.5	4.5	1.7	.9	.0					12.8	12.1
SSW	.5	1.0	1.9	1.7	.8	.2	.1					6.2	11.0
SW	1.9	1.9	1.9	.7	.6	.1						7.0	7.5
WSW	1.1	1.1	.5	.2								2.9	5.3
W	.7	.7	.3	.2								1.9	5.3
WNW	.1	.4	.3	.2								1.0	7.0
NW	.2	.5	.6	.3	.1	.2						2.0	9.6
NNW	.6	.9	1.0	.5	.0							3.0	7.1
VARBL													
CALM												31.4	
	12.5	14.6	19.7	14.6	5.0	2.1	.2	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2345

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	2.5	1.5	.5							6.6	8.8
NNE	1.2	1.0	1.2	.7	.1							4.3	6.9
NE	1.6	1.6	1.6	.4	.0							5.2	5.9
ENE	.3	.4	.4	.2	.1							1.5	7.8
E	.3	.3	.1	.0								.9	4.9
ESE	.1	.1	.4	.4	.0							1.1	10.2
SE	.2	.4	.6	.4	.0							1.6	8.7
SSE	.3	.7	.7	1.1	.5	.4	.0					3.7	11.9
S	1.0	1.6	1.6	1.8	1.1	.7	.0					8.0	11.1
SSW	.8	2.3	2.6	1.6	.8	.7	.3	.1	.1			9.3	11.4
SW	2.4	3.6	3.1	.6	.4	.2	.1					10.3	6.9
WSW	1.0	1.6	.9	.1								3.6	5.2
W	.8	1.1	1.2	.1								3.2	5.7
WNW	.4	.7	1.0	.3								2.4	7.2
NW	.4	.9	1.6	.6	.3							3.9	8.5
NNW	.4	.8	2.3	1.2	.2	.0						4.9	9.2
VARBL													
CALM												29.6	
	12.4	18.4	21.9	11.0	4.1	2.0	.4	.1	.1			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	2.2	1.4	.3							6.0	8.4
NNE	.7	1.0	.9	.7	.1							3.4	7.3
NE	1.4	1.5	1.2	.6								4.7	6.2
ENE	.6	.4	.8	.2								2.0	6.5
E	.5	.3	.4	.2								1.4	5.7
ESE	.3	.5	.2	.2		.2						1.5	8.7
SE	.1	.3	.6	.4	.2	.0						1.6	9.9
SSE	.2	.4	.6	.4	.5	.1	.0					2.2	12.0
S	1.1	1.3	1.3	2.1	.8	.3	.1					7.0	13.3
SSW	1.6	2.5	3.0	1.8	.8	.4	.1	.2				10.4	9.7
SW	3.0	4.4	2.1	.5	.2	.1	.0					10.4	5.8
WSW	1.0	1.5	.7	.1		.0						3.4	5.4
W	1.0	1.2	1.1	.2		.1						3.5	6.0
WNW	.5	1.1	1.1	.3	.0							3.0	6.8
NW	.5	1.1	1.5	.7	.2	.0						4.3	8.6
NNW	.3	1.1	1.8	1.4	.4	.0						4.9	9.6
VARBL													
CALM												30.3	
	13.8	19.6	19.8	11.1	3.5	1.4	.3	.2				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2259

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.8	2.4	1.6	.4							7.2	8.5
NNE	1.3	1.3	1.2	.8	.1							4.7	6.8
NE	1.3	1.4	1.2	.6								4.6	6.4
ENE	.7	.4	.9	.3								2.3	6.6
E	.4	.4	.6	.0								1.4	6.0
ESE	.2	.2	.6	.2	.1	.0						1.3	8.9
SE	.2	.4	.6	.5	.3							2.0	10.2
SSE	.2	.7	.6	.6	.4	.2						2.8	11.2
S	1.7	1.5	1.4	1.3	.7	.2	.2	.0				7.1	9.3
SSW	1.8	2.8	2.3	1.8	.9	.4	.0	.1				10.1	9.0
SW	2.4	4.4	2.8	.5	.2	.2	.1					10.7	6.4
WSW	.8	2.2	1.4	.4	.1							4.9	6.1
W	1.2	1.1	.8	.3	.1							3.6	5.8
WNW	.9	.9	.8	.3	.2	.0						2.7	7.2
NW	.4	1.0	1.0	1.0	.1	.0						3.4	8.4
NNW	.5	.8	2.3	1.5	.2							5.2	9.2
VARBL													
CALM												26.0	
	14.6	21.4	20.9	11.8	3.8	1.1	.3	.1				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 2504

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

NDV  
NORTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.2	3.0	2.0	.5	.3						6.1	10.3
NNE	.8	1.0	1.3	1.6	.2							4.9	8.7
NE	.6	1.2	1.5	.9	.2							4.3	8.3
ENE	.4	.8	1.1	.4	.0							2.6	7.4
E	.4	.9	.8	.2	.1							2.4	7.1
ESE	.3	.3	.7	.4								1.6	8.0
SE	.4	.6	.9	.4	.4	.0						2.7	9.0
SSE	.0	.6	1.5	1.0	.5	.1	.0					3.8	11.1
S	.4	1.0	1.5	2.5	1.0	.5	.3	.0				7.3	13.0
SSW	.6	1.5	3.2	2.7	1.4	.7	.4	.1				10.6	12.6
SW	2.0	2.8	4.7	2.8	.7	.2	.3	.2				13.4	9.4
WSW	1.1	2.2	2.5	.9	.0	.1	.0					6.9	7.4
W	.7	1.5	1.5	.4	.0							4.2	6.7
WNW	.4	.9	1.3	.8	.1	.2						3.5	7.1
NW	.4	1.1	1.6	1.6	.5	.1						5.5	10.1
NNW	.5	.7	2.5	2.8	.9	.0						7.4	11.1
VARBL													
CALM												10.8	
	9.4	18.2	29.7	21.7	6.5	2.2	1.0	.3				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 2543

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49.56-72 NOV  
STATION STATION NAME YEARS NORTH

ALL WEATHER 1200-1400  
CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.4	3.4	3.1	.6	.2	.0					9.2	10.4
NNE	.6	.7	1.4	1.5	.3							4.5	9.5
NE	.3	.9	1.6	.7	.2							3.8	8.9
ENE	.2	.6	.8	.5	.0							2.2	7.9
E	.5	.7	.6	.2	.1							2.0	6.7
ESE	.2	.3	1.0	.3	.1							1.6	8.9
SE	.1	.4	1.0	.4	.3	.0						2.2	9.8
SSE	.1	.2	1.3	1.3	.3	.1	.0					3.4	11.9
S	.3	1.5	2.7	2.9	1.1	1.0	.2	.0				9.7	12.7
SSW	.5	.9	2.2	3.1	2.2	.9	.6	.0				10.4	14.0
SW	1.2	1.7	4.2	4.0	.9	.7	.2					13.6	11.2
WSW	.7	1.8	3.1	1.7	.1	.1	.0					7.6	8.5
W	.5	1.3	3.1	1.0	.0							6.0	8.1
WNW	.4	.9	1.7	.8	.2							4.0	8.7
NW	.0	1.3	2.8	2.4	.4	.0						6.9	10.3
NNW	.1	1.2	2.6	3.3	1.4	.2						8.8	11.8
VARBL													
CALM												4.6	
	6.1	16.0	33.3	27.1	8.9	3.2	1.1	.1	.0			100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 2543

4  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION    FORT RILEY KANSAS/MARSHALL AAF STATION NAME    38-49,56-72 YEARS    NOV MONTH  
ALL WEATHER CLASS    1500-1700 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-35	≥56	%	MEAN WIND SPEED
N	.6	1.8	4.1	2.5	.0	.1						10.3	9.6
NNE	.4	.4	1.7	1.5	.2							4.3	9.6
NE	.6	1.0	1.5	.9	.1							4.6	8.1
ENE	.4	.6	.9	.3	.0							2.1	7.3
E	.7	.7	.9	.2								2.4	6.1
ESE	.4	.5	.7	.2								1.8	7.2
SE	.2	.5	1.2	.7	.0							2.6	8.9
SSE	.2	.7	1.7	1.4	.2	.1						4.5	10.8
S	.7	1.1	2.9	2.8	1.0	.6	.2					9.4	11.8
SSW	.6	1.2	2.4	3.6	1.5	.8	.4					11.4	12.7
SW	1.0	1.9	3.4	1.7	.6	.2	.3					9.1	9.7
WSW	.6	1.4	1.6	1.0	.1	.0						4.7	7.9
W	1.1	1.5	2.4	.6								5.6	6.6
WNW	.6	1.1	1.6	.7	.2							4.2	8.0
NW	.6	2.1	2.9	1.7	.3	.1						7.9	8.6
NNW	.6	1.5	3.3	2.1	.9	.1						8.6	10.0
VARBL													
CALM												7.0	
	9.4	16.0	34.0	22.5	6.0	2.0	.9					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2532

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45,47-49,56-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.2	2.9	1.3	.3	.0	.0					8.2	7.9
NNE	.7	.8	2.2	.9	.1							4.8	8.3
NE	1.1	1.3	.9	.6	.1							4.0	6.8
ENE	.2	.4	.3	.2								1.1	7.0
E	.9	.7	.6	.1								2.3	5.3
ESE	.3	.8	.9	.0								2.0	6.6
SE	.3	.8	1.9	.9	.0	.0						3.9	8.6
SSE	.2	.8	1.7	1.3	.3	.0						4.3	9.7
S	1.1	2.0	2.2	2.1	1.2	.3						9.0	10.0
SSW	1.2	2.9	2.4	1.8	.7	.3	.1	.0				9.4	9.3
SW	1.7	2.5	2.1	.9	.3	.2	.0					7.3	6.9
WSW	.8	1.1	.6	.1	.1	.0						2.8	6.1
W	.7	1.1	.6	.1								2.5	5.5
WNW	.3	.7	.3	.1	.0							1.4	6.2
NW	.8	1.7	1.8	.6	.3							5.3	7.4
NNW	.7	1.0	2.1	1.4	.1							5.3	8.6
VARIL													
CALM												26.5	
	12.4	20.8	23.4	12.0	3.6	1.3	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2359

4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13947 STATION NAME FORT RILEY KANSAS/MARSHALL AAF YEARS 39-45, 47-49, 56-72 MONTH NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	3.9	1.7	.2							7.8	8.9
NNE	1.0	1.1	1.3	.7	.0							4.1	7.1
NE	1.2	1.8	1.0	.5	.2							4.4	6.9
ENE	.3	.4	.6	.2								1.5	7.1
E	.6	.7	.3	.0								1.6	4.7
ESE	.4	.5	.3	.1	.1							1.4	6.9
SE	.3	.5	1.4	.9	.2	.0						3.4	9.7
SSE	.0	.4	.9	1.4	.4	.3	.0					3.6	12.8
S	1.0	1.5	2.2	1.9	1.2	.8	.0					8.8	11.1
SSW	.6	2.0	2.1	2.0	1.0	.6	.2	.1	.5			8.6	11.6
SW	1.7	2.8	2.6	.5	.2	.2	.0					8.1	7.0
WSW	.8	1.1	.8	.3	.0							3.1	6.1
W	.7	1.1	.3									2.1	4.8
WNW	.3	.6	.7	.1	.1							1.8	6.9
NW	.7	1.8	1.7	.2	.2							4.5	6.9
NNW	.6	1.2	2.2	1.2	.2	.0						5.3	8.9
VARIABLE													
CALM												29.9	
	11.0	18.7	22.1	11.8	4.0	2.0	.3	.1	.0			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2302

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-70  
YEARS

DEC  
MOUTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.2	.2	.1						6.5	7.8
NNE	1.1	1.4	2.0	1.0	.1							5.5	7.2
NE	1.1	1.8	2.3	.7	.3	.1						6.3	7.6
NNE	.4	.7	1.1	.5	.5							2.6	7.1
E	.6	.5	.7	.5	.1							2.3	7.7
ESE	.2	.3	.3	.2	.1							1.2	8.3
SE	.1	.1	.3	.2	.1							1.0	9.8
SSE	.4	.3	1.2	.7	.1	.1						3.1	9.3
S	1.0	1.5	1.6	1.5	.3	.3	.1					6.0	9.4
SSW	1.0	2.0	2.0	1.8	1.0	.5	.1	.0				8.4	10.7
SW	2.6	4.1	2.6	1.1	.5	.2						11.2	7.0
WSW	1.3	2.9	1.2	.2	.0							5.6	5.5
W	1.2	1.0	.7	.2								3.0	5.2
WNW	.6	.7	1.0	.4								2.8	7.1
NW	.9	1.2	1.3	1.0	.3	.1						4.9	8.8
NNW	.6	1.0	1.6	1.0	.1							4.3	8.4
VARBL													
CALM												25.4	
	14.1	22.0	21.8	11.7	3.4	1.4	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2298

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.4	1.3	.3	.0						7.5	7.8
NNE	1.0	1.6	1.6	1.2	.2	.1						4.7	8.1
NE	1.5	1.7	2.1	1.0	.2							6.5	7.3
ENE	.4	.9	.6									2.1	5.9
E	.3	.9	.6	.6	.1	.0						2.2	8.6
ESE	.3	.5	.2	.3								1.4	7.1
SE	.4	.4	.5	.3	.2							1.9	8.1
SSE	.3	.3	.6	.6	.2	.2	.1					2.3	11.4
S	1.1	1.3	1.2	1.0	.2	.2	.1					5.1	8.5
SSW	1.3	2.0	1.9	1.7	.8	.6	.0					9.1	9.5
SW	3.2	4.2	2.3	1.2	.3	.4						11.8	6.7
WSW	1.7	2.3	1.3	.3	.0	.1						5.7	5.6
W	.9	1.1	1.1	.3								3.4	5.8
WNW	.6	.4	1.2	.3	.1	.0						2.7	8.2
NW	1.0	1.3	1.4	.3	.2	.2						4.9	8.3
NNW	.6	.8	1.9	1.0								4.1	8.4
VARBL													
CALM												23.8	
	13.8	22.2	21.2	11.9	3.0	1.8	.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2309

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

19947 STATION      FUPT RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      DEC MONTH  
 ALL WEATHER CLASS      0600-0800 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.4	3.3	1.4	.2	.2	.0					7.8	8.7
NNE	1.2	1.9	2.2	1.1	.2	.1						6.3	7.9
NE	1.5	2.0	2.0	.9	.1	.0						6.4	7.0
ENE	.5	.7	.7	.3	.0							2.1	6.9
E	.5	.5	.5	.4	.1							2.0	7.7
ESE	.3	.3	.3	.1								1.1	5.9
SE	.4	.2	.4	.1	.2	.1						1.4	8.2
SSE	.3	.5	1.2	.5	.2	.2	.0					3.0	9.9
S	1.1	1.1	1.2	1.0	.5	.2	.2	.0				5.8	10.3
SSW	1.4	2.7	2.4	1.3	.4	.4	.1					8.6	8.6
SW	3.3	4.2	3.0	1.8	.2	.1	.0					12.5	6.6
WSW	1.3	2.7	1.1	.1	.0							5.2	5.3
W	.7	1.1	1.3	.0	.1	.0						3.4	6.5
WNW	.6	.9	.8	.5	.2							3.0	7.6
NW	.6	1.2	.8	.9	.1	.1						3.3	7.8
NNW	.9	.8	1.8	1.0	.2	.0						4.7	8.4
VARBL													
CALM												23.7	
	15.4	22.4	23.0	10.8	2.8	1.5	.4	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2549

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.4	3.6	1.9	.8	.2						9.2	10.0
NNE	1.1	1.1	2.1	1.7	.2	.2						7.0	8.5
NE	1.0	1.4	2.1	1.2	.3	.0						5.9	8.0
ENE	.6	.6	1.1	.7								2.9	7.6
E	.3	.6	1.1	.5	.0							2.6	7.9
ESE	.2	.5	.9	.2								1.9	7.6
SE	.3	.4	.7	.2								1.7	7.3
SSE	.3	.4	1.0	.6	.2	.2						2.8	11.1
S	.6	1.3	1.6	1.7	.8	.5	.0	.1				6.5	11.2
SSW	1.3	2.3	2.0	2.6	1.3	.6	.2	.1				10.2	11.1
SW	1.9	3.8	3.9	1.6	.8	.4	.1					12.4	8.3
WSW	1.3	2.6	2.3	.7	.0							6.9	6.7
W	.7	1.6	1.4	.3	.0							4.0	6.6
WNW	.2	.4	1.4	.6	.1	.1						3.0	9.8
NW	.5	.7	2.0	1.6	.5	.1						5.3	10.0
NNW	.4	.6	2.8	1.6	.2							5.5	9.4
VARBL													
CALM												12.2	
	11.4	20.3	30.1	17.8	5.1	2.4	.3	.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2622

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      OEC MONTH  
ALL WEATHER CLASS      1200-1400 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.4	2.4	1.1	.2						9.4	10.5
NNE	.4	1.5	2.1	2.0	.3	.1						6.4	9.7
NE	.8	1.4	2.1	1.0	.2							5.5	8.0
ENE	.4	.9	1.2	.4	.1							2.6	7.8
E	.4	.8	.9	.4	.0							2.2	7.7
ESE	.3	.3	.7	.5	.2							2.0	8.9
SE	.3	.5	1.3	.6	.0							2.8	8.3
SSE	.2	.2	1.1	.7	.1	.1	.0					2.8	10.0
S	.2	1.2	1.6	1.8	1.1	.4	.2					6.5	12.5
SSW	.3	1.3	2.3	3.5	1.7	.8	.2	.1	.1			10.3	13.6
SW	1.1	2.8	3.8	2.7	1.6	.4	.2	.1				12.7	10.4
WSW	.8	1.7	2.6	1.2	.1	.0						6.4	7.9
W	1.0	1.3	2.2	.8	.0							5.4	7.3
WNW	.4	.7	1.6	1.1	.3	.0	.0					4.1	9.5
NW	.5	1.1	3.3	2.0	.6	.1	.0					7.6	10.3
NNW	.3	1.0	2.9	2.3	.4	.2	.1					7.2	10.6
VARBL													
CALM												6.1	
	7.9	17.8	33.5	23.4	7.8	2.5	.7	.2	.1			100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 2609

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	3.0	2.7	.5	.2	.1					9.8	9.6
NNE	.4	1.4	2.6	1.2	.2	.0						6.0	8.7
NE	.9	1.4	2.7	.9	.3	.4						6.3	8.2
ENE	.5	.6	.9	.3								2.3	7.0
E	.3	.7	1.3	.4	.0							2.7	7.8
ESE	.2	.3	.7	.3	.0							1.5	8.1
SE	.4	.6	1.4	.6	.2	.0						3.2	8.6
SSE	.3	.9	1.0	.8	.3	.0						3.3	9.0
S	.5	2.0	2.8	2.1	.7	.3	.1					8.5	10.0
SSW	.6	1.8	3.0	2.3	1.1	.4	.1	.0				9.3	11.0
SW	1.2	3.3	3.2	2.1	.9	.2		.1				10.9	9.0
WSW	.7	2.2	1.6	.6	.2	.0						5.3	7.1
W	1.0	1.8	1.6	.5	.1							5.0	6.5
WNW	.4	.7	1.3	.7	.1	.1						3.2	8.6
NW	.3	1.8	2.7	1.4	.6	.1						6.9	9.5
NNW	.7	1.5	3.2	1.4	.4	.1						7.3	9.0
VARBL													
CALM												8.6	
	9.7	22.6	33.6	18.2	5.5	1.5	.2	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

2600

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	3.1	1.4	.3	.0						7.8	8.1
NNE	.7	1.4	2.1	.7	.2	.2						5.5	8.2
NE	1.2	1.3	2.1	1.1	.3							6.0	7.7
ENE	.5	1.0	.8	.5			.0					2.8	7.6
E	.5	.8	1.1	.3	.1							2.7	7.2
ESE	.3	.4	.5	.5	.0							1.9	8.0
SE	.2	.7	.8	.6	.0							2.3	8.2
SSE	.0	.3	1.0	.8	.2	.2						2.4	11.4
S	1.2	1.8	2.0	1.6	.4	.5	.0					7.5	9.1
SSW	1.2	3.3	3.1	1.3	.5	.3						9.7	8.2
SW	1.8	3.3	2.5	.9	.4	.0						9.5	6.9
WSW	.9	1.7	.6	.3								3.4	5.4
W	.9	1.5	.6	.1	.1	.0						3.3	5.6
WNW	.1	.4	.5	.3	.0							1.4	8.4
NW	.5	1.3	1.3	.6	.1	.0						4.0	7.7
NNW	.8	1.2	2.0	.7	.3							4.9	7.9
VARBL													
CALM												25.4	
	11.9	22.7	24.2	11.6	2.9	1.2	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2392

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	2.4	1.2	.2	.1						6.4	8.3
NNE	.9	1.7	2.1	1.1	.1							5.9	7.5
NE	1.1	1.5	2.4	.9	.3	.0						6.2	7.9
ENE	.5	.8	.9	.2								2.3	6.6
E	.5	.4	.9	.4	.0							2.4	8.0
ESE	.3	.8	.6	.1	.0							1.8	6.5
SE	.1	.5	.7	.5	.2							2.1	9.1
SSE	.2	.7	1.2	.8	.2	.1	.0					3.2	10.4
S	.7	1.4	1.3	1.8	.2	.2	.2	.0				5.7	10.1
SSW	1.0	2.2	1.5	1.5	.7	.6	.2	.1				7.9	10.4
SW	2.2	3.3	2.6	1.2	.5	.0						9.8	7.1
WSW	.9	1.8	1.4	.2	.0							4.3	5.9
W	.9	1.1	1.1	.3	.0							3.3	6.1
WNW	.3	.3	.7	.3	.1	.0						1.8	8.7
NW	.5	.8	1.5	.9	.2	.0						3.9	8.9
NNW	.6	1.2	1.8	1.2	.2							5.0	8.3
VARBL													
CALM												28.1	
	11.6	20.0	23.1	12.6	3.0	1.2	.4	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2337

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      38-50,56-72 YEARS      ALL MONTH

INSTRUMENT CLASS      ALL HOURS (L.S.T.)  
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, CONDITION  
AND/IR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.5	5.2	4.4	1.3	.3	.0					14.9	10.7
NNE	.9	2.1	4.4	3.4	1.0	.2	.0					12.1	10.0
NE	1.2	2.7	4.6	2.5	.8	.2	.0	.0				11.8	9.1
ENE	.5	1.4	2.4	1.2	.3	.1	.0		.0			5.9	8.9
E	.6	1.4	2.1	1.0	.2	.0	.0					5.3	8.3
ESE	.3	.6	1.1	.6	.1	.0						2.7	8.8
SE	.4	.7	1.4	.7	.2	.0						3.4	8.9
SSE	.2	.6	1.3	.9	.3	.1	.0	.0				3.4	10.3
S	.5	1.1	1.7	1.4	.5	.3	.1	.0				5.6	10.7
SSW	.3	.7	1.3	1.2	.5	.2	.1	.0	.0			4.3	11.5
SW	.4	.9	1.0	.6	.2	.0	.0	.0				3.4	8.1
WSW	.4	.6	.5	.3	.1	.1	.0	.0				1.9	8.2
W	.4	.8	.7	.4	.1	.0	.0	.0		.0		2.4	8.1
WNW	.5	.2	.6	.4	.1	.0	.0	.0				2.0	9.2
NW	.3	.8	1.9	1.0	.2	.1	.0	.0				3.9	9.6
NNW	.6	1.3	2.8	1.8	.4	.1	.0	.0				6.8	9.7
VARBL													
CALM												10.4	
	8.5	18.6	32.3	21.7	6.1	1.9	.4	.1	.0	.0		100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 20624

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																
≥ 1800																
≥ 1500					91.0										92.6	
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4					98.1	
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3					100.0	

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
 For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
 Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
 Visibility  $\geq 3$  miles = 95.4%.  
 Visibility  $\geq 2$  miles = 96.9%.  
 Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION/LWAVE 38-50,56-72 YEARS ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL MONTHS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	55.8	50.3	56.6	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.3
IV 20000	59.9	64.5	62.1	65.3	65.8	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.3
IV 18000	60.1	64.7	65.3	65.7	66.0	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.5
IV 16000	60.2	64.9	65.4	65.8	66.1	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6
IV 14000	60.7	65.3	65.9	66.3	66.6	66.6	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.1
IV 12000	62.0	66.9	67.5	67.9	68.2	68.2	68.3	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.7
IV 10000	64.0	69.1	69.8	70.2	70.5	70.5	70.6	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.0
IV 9000	64.7	69.9	70.6	71.0	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.8
IV 8000	66.4	72.0	72.7	73.1	73.4	73.5	73.6	73.6	73.6	73.7	73.8	73.8	73.8	73.8	73.9	73.9
IV 7000	67.7	73.5	74.2	74.7	75.0	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.6
IV 6000	68.7	74.8	75.6	76.1	76.4	76.5	76.6	76.7	76.7	76.8	76.8	76.9	76.9	76.9	76.9	77.0
IV 5000	70.2	76.7	77.5	78.1	78.5	78.5	78.7	78.7	78.7	78.8	78.9	78.9	78.9	78.9	79.0	79.0
IV 4500	70.7	77.3	78.2	78.8	79.2	79.2	79.4	79.4	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.8
IV 4000	72.0	79.0	80.0	80.6	81.1	81.1	81.3	81.3	81.3	81.5	81.5	81.5	81.6	81.6	81.6	81.7
IV 3500	72.7	80.0	81.0	81.7	82.1	82.2	82.4	82.4	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.8
IV 3000	74.0	81.8	82.9	83.6	84.1	84.1	84.3	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.8
IV 2500	75.0	83.2	84.4	85.1	85.6	85.7	85.9	86.0	86.0	86.1	86.3	86.2	86.2	86.2	86.3	86.4
IV 2000	76.2	85.2	86.5	87.3	87.9	88.0	88.2	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.7	88.7
IV 1800	76.6	85.7	87.0	87.9	88.5	88.6	88.9	89.0	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.4
IV 1500	77.3	87.0	88.5	89.5	90.2	90.3	90.6	90.7	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.1
IV 1200	77.9	88.3	90.0	91.1	91.9	92.0	92.4	92.5	92.5	92.7	92.8	92.8	92.9	92.9	92.9	93.0
IV 1000	78.3	89.2	91.0	92.3	93.3	93.4	93.9	94.0	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.6
IV 900	78.4	89.5	91.5	92.8	93.9	94.1	94.5	94.7	94.8	95.0	95.1	95.1	95.2	95.2	95.3	95.3
IV 800	78.5	89.9	91.9	93.4	94.6	94.8	95.3	95.6	95.6	95.9	96.0	96.0	96.1	96.1	96.2	96.3
IV 700	78.5	90.1	92.2	93.8	95.1	95.3	96.0	96.2	96.3	96.6	96.8	96.8	96.9	96.9	96.9	97.0
IV 600	78.6	90.2	92.5	94.1	95.5	95.7	96.5	96.8	96.9	97.3	97.3	97.3	97.6	97.6	97.7	97.8
IV 500	78.6	90.3	92.6	94.3	95.8	96.1	96.9	97.3	97.4	97.9	98.1	98.1	98.3	98.3	98.4	98.5
IV 400	78.6	90.4	92.7	94.4	96.0	96.3	97.2	97.6	97.7	98.3	98.5	98.6	98.8	98.8	98.9	98.9
IV 300	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.7	97.8	98.5	98.8	98.8	99.1	99.1	99.2	99.3
IV 200	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.8	97.9	98.6	98.9	99.0	99.3	99.3	99.4	99.6
IV 100	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.8	97.9	98.6	99.0	99.0	99.4	99.4	99.6	99.7
IV 0	78.6	90.4	92.7	94.5	96.0	96.3	97.3	97.8	97.9	98.6	99.0	99.0	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 227108

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 39-50,57-72 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	49.4	53.2	53.8	54.2	54.5	54.5	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.9	
IV 20000	56.9	61.9	62.7	63.2	63.5	63.5	63.7	63.7	63.7	63.8	63.9	63.9	63.9	63.9	64.0	
IV 18000	57.1	62.1	62.9	63.4	63.7	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.2	64.2	
IV 16000	57.2	62.3	63.1	63.5	63.8	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.4	
IV 14000	57.5	62.6	63.4	63.9	64.2	64.2	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.7	64.7	
IV 12000	58.6	63.9	64.7	65.1	65.5	65.5	65.7	65.7	65.7	65.8	65.9	65.9	65.9	66.0	66.0	
IV 10000	60.5	65.9	66.7	67.2	67.5	67.5	67.7	67.7	67.7	67.8	67.9	67.9	67.9	68.0	68.0	
IV 9000	60.8	66.3	67.1	67.6	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.5	
IV 8000	61.9	67.6	68.5	69.0	69.3	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.9	
IV 7000	62.8	68.8	69.8	70.3	70.6	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.2	
IV 6000	63.7	69.9	70.9	71.4	71.8	71.8	72.0	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.4	
IV 5000	64.5	71.1	72.1	72.7	73.1	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.7	
IV 4500	64.7	71.4	72.5	73.1	73.5	73.5	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.1	
IV 4000	65.3	72.1	73.2	73.8	74.2	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.9	
IV 3500	65.7	72.8	73.9	74.5	75.0	75.0	75.2	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.6	
IV 3000	66.7	74.0	75.2	75.9	76.4	76.4	76.7	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.1	
IV 2500	67.3	75.2	76.4	77.2	77.8	77.9	78.1	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.6	
IV 2000	68.8	77.5	78.8	79.7	80.4	80.5	80.9	81.0	81.0	81.1	81.2	81.2	81.3	81.3	81.4	
IV 1800	69.1	78.2	79.5	80.3	81.2	81.3	81.7	81.8	81.8	82.0	82.0	82.0	82.1	82.2	82.2	
IV 1500	70.1	80.0	81.5	82.6	83.5	83.6	84.1	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.7	
IV 1200	70.8	81.3	83.1	84.4	85.4	85.6	86.2	86.4	86.4	86.7	86.8	86.8	86.9	86.9	87.0	
IV 1000	71.2	82.6	84.6	86.2	87.3	87.6	88.3	88.6	88.6	89.0	89.2	89.2	89.3	89.3	89.4	
IV 900	71.3	83.0	85.2	86.8	88.1	88.4	89.2	89.6	89.6	90.1	90.2	90.2	90.4	90.4	90.5	
IV 800	71.5	83.4	85.8	87.6	89.0	89.3	90.3	90.7	90.8	91.4	91.6	91.6	91.8	91.8	91.9	
IV 700	71.6	83.8	86.3	88.2	89.9	90.2	91.3	91.8	91.9	92.6	92.9	92.9	93.1	93.1	93.2	
IV 600	71.6	84.0	86.6	88.7	90.5	90.9	92.2	92.9	92.9	93.8	94.2	94.2	94.4	94.4	94.6	
IV 500	71.7	84.2	86.9	89.1	91.1	91.6	93.1	93.8	93.9	95.1	95.5	95.6	95.8	95.8	96.0	
IV 400	71.7	84.2	87.0	89.3	91.5	91.9	93.6	94.5	94.6	95.9	96.5	96.6	96.9	97.0	97.2	
IV 300	71.7	84.3	87.0	89.4	91.6	92.1	93.9	94.9	95.0	96.5	97.2	97.3	97.8	97.8	98.0	
IV 200	71.7	84.3	87.0	89.4	91.6	92.2	94.0	95.0	95.1	96.6	97.6	97.7	98.3	98.4	98.7	
IV 100	71.7	84.3	87.0	89.4	91.6	92.2	94.0	95.1	95.1	96.7	97.7	97.9	98.6	98.8	99.0	
IV 0	71.7	84.3	87.0	89.4	91.6	92.2	94.1	95.1	95.2	96.8	97.8	97.9	98.7	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 19313

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,96-72  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	45.7	49.5	49.9	50.3	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9
IV 20000	52.6	57.1	57.7	58.2	58.6	58.6	58.7	58.8	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.1
IV 18000	52.9	57.4	57.9	58.5	58.8	58.8	59.0	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3
IV 16000	53.0	57.5	58.1	58.6	58.9	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5
IV 14000	53.2	57.9	58.4	58.9	59.3	59.3	59.5	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.8
IV 12000	54.3	59.1	59.7	60.3	60.6	60.6	60.8	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.1
IV 10000	56.2	61.2	61.8	62.4	62.7	62.7	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.3
IV 9000	56.6	61.8	62.3	62.9	63.3	63.3	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.8
IV 8000	58.2	63.5	64.2	64.8	65.1	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.7
IV 7000	59.7	65.2	65.9	66.5	66.9	67.0	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.5
IV 6000	60.8	66.6	67.3	67.9	68.4	68.4	68.6	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	69.0
IV 5000	62.2	68.3	69.1	69.7	70.2	70.3	70.5	70.5	70.5	70.7	70.7	70.7	70.8	70.8	70.8	70.9
IV 4500	62.7	68.9	69.7	70.4	70.9	70.9	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.5	71.5	71.6
IV 4000	63.9	70.4	71.3	72.0	72.5	72.5	72.8	72.8	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.2
IV 3500	64.8	71.6	72.5	73.3	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.5
IV 3000	66.0	73.3	74.3	75.1	75.6	75.7	76.0	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.5
IV 2500	67.2	75.1	76.1	77.0	77.6	77.7	78.0	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.5
IV 2000	69.0	77.7	78.9	79.9	80.6	80.7	81.0	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.6
IV 1800	69.3	78.4	79.6	80.6	81.3	81.4	81.8	82.0	82.0	82.3	82.3	82.3	82.4	82.4	82.4	82.5
IV 1500	70.4	80.2	81.6	82.8	83.6	83.7	84.2	84.4	84.4	84.8	84.8	84.8	84.9	84.9	84.9	85.0
IV 1200	71.0	81.9	83.6	85.0	86.0	86.2	86.7	86.9	87.0	87.4	87.5	87.5	87.5	87.5	87.5	87.6
IV 1000	71.5	83.1	85.1	86.7	87.9	88.2	88.9	89.2	89.2	89.7	89.8	89.8	89.9	89.9	89.9	90.0
IV 900	71.6	83.4	85.6	87.3	88.7	89.0	89.7	90.1	90.2	90.7	90.8	90.8	90.9	90.9	90.9	91.0
IV 800	71.7	83.8	86.2	88.1	89.6	90.0	90.9	91.3	91.4	92.1	92.3	92.3	92.4	92.4	92.4	92.5
IV 700	71.7	84.1	86.7	88.7	90.5	90.9	92.0	92.5	92.6	93.4	93.6	93.6	93.7	93.7	93.7	93.8
IV 600	71.8	84.2	87.0	89.1	91.2	91.6	92.9	93.5	93.6	94.5	94.8	94.8	95.0	95.0	95.0	95.1
IV 500	71.8	84.4	87.2	89.4	91.6	92.1	93.6	94.3	94.4	95.4	95.9	95.9	96.2	96.2	96.3	96.3
IV 400	71.8	84.5	87.4	89.6	91.9	92.4	94.0	94.8	95.0	96.2	96.8	96.8	97.1	97.2	97.2	97.3
IV 300	71.8	84.5	87.4	89.7	92.0	92.5	94.2	95.0	95.2	96.6	97.4	97.4	97.8	97.8	97.9	98.0
IV 200	71.8	84.5	87.4	89.7	92.1	92.5	94.2	95.1	95.3	96.8	97.6	97.6	98.3	98.4	98.6	98.9
IV 100	71.8	84.5	87.4	89.7	92.1	92.5	94.2	95.1	95.3	96.8	97.7	97.8	98.5	98.6	99.0	99.4
IV 0	71.8	84.5	87.4	89.7	92.1	92.5	94.2	95.1	95.3	96.8	97.7	97.8	98.5	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 17388

MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.1	49.0	49.4	49.6	49.9	49.9	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.3
IV 20000	51.7	56.4	56.9	57.3	57.5	57.6	57.7	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0
IV 18000	52.2	57.0	57.5	57.8	58.1	58.1	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.6
IV 16000	52.4	57.2	57.6	58.0	58.3	58.3	58.4	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.8
IV 14000	52.8	57.6	58.1	58.5	58.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.3
IV 12000	54.0	59.1	59.6	59.9	60.2	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.7	60.7	60.7
IV 10000	55.6	60.8	61.3	61.7	62.0	62.0	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.5
IV 9000	56.5	62.0	62.5	62.9	63.2	63.2	63.3	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.7
IV 8000	58.0	63.7	64.2	64.6	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.4	65.4
IV 7000	59.4	65.3	65.8	66.3	66.6	66.6	66.7	66.8	66.8	67.0	67.0	67.0	67.0	67.1	67.1
IV 6000	60.6	66.7	67.3	67.8	68.1	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6
IV 5000	62.0	68.6	69.2	69.8	70.1	70.2	70.3	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7
IV 4500	62.6	69.3	70.0	70.5	70.9	70.9	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.5
IV 4000	63.9	71.1	71.8	72.4	72.8	72.8	73.0	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.4
IV 3500	64.9	72.4	73.2	73.9	74.3	74.3	74.5	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.9
IV 3000	66.8	74.9	75.9	76.6	77.1	77.1	77.3	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.8
IV 2500	68.4	77.2	78.3	79.1	79.6	79.7	79.9	80.1	80.1	80.2	80.3	80.3	80.3	80.4	80.4
IV 2000	70.1	79.9	81.3	82.3	83.0	83.1	83.4	83.6	83.6	83.8	83.8	83.8	83.9	83.9	83.9
IV 1800	70.7	80.7	82.2	83.3	84.0	84.1	84.4	84.6	84.6	84.8	84.8	84.8	84.9	84.9	85.0
IV 1500	71.6	82.7	84.4	85.7	86.4	86.6	87.0	87.2	87.3	87.5	87.5	87.5	87.6	87.6	87.7
IV 1200	72.2	84.3	86.5	87.9	88.9	89.1	89.7	89.9	90.0	90.3	90.3	90.3	90.4	90.4	90.5
IV 1000	72.5	85.4	87.8	89.5	90.8	91.0	91.8	92.2	92.2	92.6	92.7	92.7	92.8	92.8	92.9
IV 900	72.6	85.8	88.4	90.1	91.6	91.8	92.7	93.1	93.2	93.6	93.7	93.7	93.8	93.8	93.9
IV 800	72.7	86.2	88.9	90.8	92.4	92.7	93.7	94.2	94.3	94.7	94.9	94.9	95.0	95.0	95.1
IV 700	72.7	86.4	89.2	91.2	93.0	93.3	94.4	95.0	95.1	95.6	95.8	95.9	96.0	96.0	96.1
IV 600	72.8	86.6	89.5	91.5	93.5	93.8	95.1	95.8	95.9	96.5	96.7	96.8	96.9	96.9	97.0
IV 500	72.8	86.7	89.6	91.8	93.8	94.1	95.6	96.5	96.7	97.5	97.9	97.9	98.1	98.2	98.3
IV 400	72.8	86.7	89.6	91.8	93.9	94.3	95.9	96.9	97.0	97.9	98.4	98.4	98.7	98.8	98.9
IV 300	72.8	86.7	89.6	91.8	94.0	94.3	96.0	97.0	97.2	98.2	98.6	98.7	99.0	99.1	99.4
IV 200	72.8	86.7	89.6	91.9	94.0	94.3	96.0	97.0	97.2	98.2	98.7	98.8	99.2	99.3	99.6
IV 100	72.8	86.7	89.7	91.9	94.0	94.4	96.0	97.0	97.2	98.3	98.8	98.9	99.3	99.4	99.9
IV 0	72.8	86.7	89.7	91.9	94.0	94.4	96.0	97.0	97.2	98.3	98.8	98.9	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 19208

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.1	49.1	49.5	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.2
IV 20000	55.2	59.2	59.6	59.9	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4
IV 18000	55.5	59.5	59.9	60.2	60.4	60.4	60.5	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.7	60.7
IV 16000	55.7	59.7	60.1	60.4	60.5	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.9
IV 14000	56.2	60.3	60.7	61.0	61.1	61.1	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5
IV 12000	57.5	61.7	62.1	62.4	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0
IV 10000	59.4	63.9	64.4	64.6	64.8	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2
IV 9000	60.1	64.7	65.2	65.5	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.1
IV 8000	62.5	67.4	67.9	68.2	68.4	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.8	68.8
IV 7000	63.7	69.0	69.6	69.9	70.2	70.2	70.3	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.6
IV 6000	65.1	70.7	71.4	71.7	71.9	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.4	72.4
IV 5000	66.8	72.9	73.7	74.1	74.4	74.4	74.5	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.9
IV 4500	67.6	74.0	74.9	75.3	75.6	75.6	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.0
IV 4000	69.5	76.4	77.4	77.9	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.8
IV 3500	70.6	77.9	78.9	79.4	79.8	79.8	80.0	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.3	80.3
IV 3000	72.4	80.3	81.4	82.0	82.5	82.5	82.7	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.1
IV 2500	73.9	82.4	83.7	84.3	84.9	85.0	85.2	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.5	85.5
IV 2000	75.8	85.1	86.5	87.3	87.9	88.0	88.2	88.3	88.3	88.3	88.4	88.4	88.5	88.5	88.5	88.6
IV 1800	76.1	85.6	87.2	88.0	88.6	88.7	88.9	88.9	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.3
IV 1500	77.0	87.1	88.8	89.6	90.5	90.5	90.8	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.2
IV 1200	77.7	88.8	90.6	91.8	92.6	92.7	93.0	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.4	93.4
IV 1000	78.0	89.8	91.8	93.2	94.2	94.2	94.6	94.7	94.7	94.8	94.8	94.9	94.9	95.0	95.0	95.1
IV 900	78.2	90.2	92.4	93.8	94.9	95.0	95.4	95.5	95.6	95.7	95.8	95.8	95.9	95.9	95.9	96.0
IV 800	78.3	90.7	92.9	94.5	95.8	95.9	96.4	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1
IV 700	78.3	90.9	93.3	95.0	96.4	96.5	97.1	97.3	97.3	97.5	97.7	97.7	97.8	97.8	97.8	97.9
IV 600	78.4	91.0	93.4	95.2	96.7	96.9	97.6	97.9	98.0	98.3	98.4	98.5	98.5	98.6	98.6	98.7
IV 500	78.4	91.1	93.5	95.4	97.0	97.2	98.0	98.4	98.4	98.8	99.0	99.0	99.1	99.1	99.2	99.2
IV 400	78.4	91.1	93.5	95.5	97.1	97.3	98.2	98.5	98.6	99.0	99.3	99.3	99.4	99.4	99.5	99.5
IV 300	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.4	99.4	99.6	99.6	99.7	99.7
IV 200	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.4	99.5	99.6	99.7	99.8	99.8
IV 100	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.5	99.5	99.7	99.7	99.8	99.9
IV 0	78.4	91.1	93.6	95.5	97.1	97.4	98.3	98.6	98.7	99.2	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 18794

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	48.7	51.0	51.3	51.6	51.7	51.7	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.3
IV 20000	58.9	62.1	62.5	62.8	62.9	63.0	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.5	63.5	63.5
IV 18000	59.0	62.2	62.6	62.9	63.1	63.1	63.3	63.3	63.3	63.4	63.5	63.5	63.6	63.6	63.6	63.7
IV 16000	59.1	62.3	62.7	63.0	63.2	63.2	63.4	63.4	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.8
IV 14000	59.7	62.9	63.3	63.6	63.8	63.8	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3	64.4
IV 12000	60.9	64.3	64.7	65.0	65.1	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.7	65.7
IV 10000	62.8	66.4	66.9	67.2	67.3	67.4	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.9	68.0
IV 9000	63.5	67.2	67.7	68.0	68.2	68.2	68.4	68.5	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.8
IV 8000	65.4	69.5	70.1	70.4	70.6	70.6	70.8	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.2
IV 7000	67.2	71.7	72.3	72.6	72.9	72.9	73.1	73.2	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.5
IV 6000	68.8	73.6	74.3	74.6	74.8	74.9	75.1	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.5
IV 5000	71.0	76.4	77.1	77.5	77.8	77.8	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.4	78.4	78.5
IV 4500	71.7	77.4	78.1	78.6	78.8	78.9	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.5
IV 4000	74.0	80.3	81.2	81.7	82.0	82.0	82.3	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.7
IV 3500	75.0	81.6	82.5	83.0	83.3	83.3	83.6	83.7	83.7	83.8	83.9	83.9	83.9	83.9	84.0	84.0
IV 3000	76.9	84.1	85.1	85.8	86.1	86.1	86.4	86.5	86.5	86.6	86.7	86.7	86.7	86.8	86.8	86.9
IV 2500	78.3	86.0	87.1	87.8	88.2	88.2	88.5	88.6	88.6	88.7	88.8	88.8	88.8	88.8	88.9	88.9
IV 2000	79.8	88.1	89.3	90.1	90.6	90.6	90.9	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.4
IV 1800	80.1	88.5	89.8	90.5	91.0	91.1	91.3	91.4	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.9
IV 1500	80.8	89.9	91.2	92.1	92.7	92.8	93.1	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.6
IV 1200	81.3	91.0	92.5	93.6	94.2	94.3	94.6	94.7	94.7	95.0	95.0	95.0	95.1	95.1	95.1	95.2
IV 1000	81.6	91.8	93.4	94.6	95.4	95.4	95.8	95.9	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.4
IV 900	81.7	92.2	93.8	95.1	95.9	96.0	96.4	96.5	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1
IV 800	81.8	92.4	94.2	95.6	96.6	96.7	97.2	97.4	97.4	97.7	97.8	97.8	97.8	97.8	97.9	98.0
IV 700	81.9	92.6	94.5	96.0	97.1	97.2	97.8	98.0	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.6
IV 700 600	81.9	92.7	94.6	96.2	97.3	97.5	98.2	98.4	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.1
IV 500	81.9	92.9	94.8	96.4	97.6	97.8	98.5	98.8	98.8	99.2	99.3	99.4	99.4	99.5	99.5	99.6
IV 400	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.4	99.5	99.5	99.6	99.6	99.7	99.8
IV 300	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.8
IV 200	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.8
IV 100	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.8	99.9
IV 0	82.0	92.9	94.9	96.5	97.7	97.9	98.7	98.9	99.0	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 19093

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	51.5	53.6	53.9	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
IV 20000	62.8	65.7	66.1	66.3	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7
IV 18000	62.9	65.8	66.2	66.4	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.9
IV 16000	63.1	66.0	66.4	66.6	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0
IV 14000	63.7	66.6	67.0	67.2	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6
IV 12000	65.2	68.3	68.7	68.9	69.1	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4
IV 10000	68.0	71.2	71.7	71.9	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4
IV 9000	68.8	72.2	72.6	72.9	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.4	73.4
IV 8000	71.0	74.7	75.2	75.4	75.6	75.6	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0
IV 7000	72.5	76.5	77.0	77.3	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9
IV 6000	73.8	78.1	78.7	79.0	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6
IV 5000	75.6	80.4	81.2	81.5	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
IV 4500	76.3	81.3	82.1	82.5	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1
IV 4000	78.2	83.8	84.7	85.2	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	86.0	86.0
IV 3500	79.3	85.2	86.1	86.6	87.0	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4
IV 3000	81.3	87.7	88.7	89.2	89.6	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.1
IV 2500	82.4	89.0	90.1	90.7	91.1	91.1	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.6	91.6	91.6
IV 2000	83.6	90.9	92.0	92.7	93.2	93.2	93.4	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.8	93.8
IV 1800	83.8	91.2	92.4	93.1	93.6	93.6	93.8	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2
IV 1500	84.3	92.2	93.5	94.3	94.9	95.0	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.6	95.6	95.6
IV 1200	84.9	93.1	94.5	95.3	96.0	96.1	96.3	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 1000	85.2	93.7	95.2	96.1	96.9	97.0	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.8
IV 900	85.3	93.9	95.4	96.3	97.2	97.3	97.6	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1	98.1
IV 800	85.4	94.0	95.6	96.6	97.6	97.7	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6
IV 700	85.4	94.1	95.7	96.7	97.8	97.9	98.4	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
IV 600	85.5	94.2	95.8	96.8	98.0	98.1	98.6	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2
IV 500	85.5	94.3	95.9	97.0	98.1	98.3	98.8	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5
IV 400	85.5	94.3	95.9	97.0	98.1	98.3	98.8	99.1	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.6	99.6
IV 300	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.8	99.8
IV 200	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8
IV 100	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8
IV 0	85.5	94.3	95.9	97.0	98.1	98.3	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 17443

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	60.3	63.5	63.9	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 20000	69.7	73.6	74.0	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7
IV 18000	69.8	73.7	74.1	74.4	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8
IV 16000	70.1	74.0	74.4	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.1	75.1	75.1	75.1
IV 14000	70.7	74.7	75.1	75.4	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
IV 12000	72.5	76.8	77.2	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0
IV 10000	75.0	79.6	80.1	80.4	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9
IV 9000	75.9	80.7	81.1	81.5	81.6	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 8000	78.4	83.6	84.1	84.5	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0
IV 7000	79.9	85.5	86.0	86.4	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9
IV 6000	81.1	86.9	87.4	87.9	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4
IV 5000	82.7	88.9	89.6	90.2	90.4	90.5	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.8
IV 4500	83.3	89.6	90.3	90.9	91.1	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.5
IV 4000	84.9	91.6	92.5	93.1	93.4	93.4	93.6	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8
IV 3500	85.4	92.4	93.3	93.9	94.3	94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7
IV 3000	86.3	93.6	94.5	95.2	95.6	95.6	95.7	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
IV 2500	86.9	94.4	95.3	96.0	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 2000	87.3	95.1	96.1	96.8	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.7
IV 1800	87.3	95.3	96.3	97.0	97.4	97.4	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9
IV 1500	87.6	95.7	96.7	97.4	97.8	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 1200	87.8	96.1	97.1	98.0	98.4	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
IV 1000	87.9	96.4	97.5	98.3	98.7	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
IV 900	87.9	96.5	97.6	98.4	98.9	98.9	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5
IV 800	87.9	96.6	97.7	98.5	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6
IV 700	87.9	96.7	97.8	98.6	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
IV 600	87.9	96.7	97.8	98.7	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8
IV 500	88.0	96.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.9	99.9
IV 400	88.0	96.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 300	88.0	96.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 200	88.0	96.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 100	88.0	96.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 0	88.0	96.7	97.8	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 18696

SPELHOLD MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FJRT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS AUG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	64.7	65.3	65.5	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.0
IV 20000	68.4	73.4	74.1	74.3	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0
IV 18000	68.4	73.5	74.1	74.4	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.1
IV 16000	68.5	73.6	74.3	74.5	74.8	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.2
IV 14000	69.0	74.2	74.9	75.1	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8
IV 12000	70.5	75.9	76.6	76.8	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5
IV 10000	72.6	78.4	79.2	79.5	79.8	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2
IV 9000	73.6	79.7	80.5	80.8	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.6
IV 8000	75.5	82.0	82.8	83.2	83.6	83.5	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0
IV 7000	76.9	83.8	84.7	85.1	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9
IV 6000	77.8	84.9	85.8	86.2	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.1
IV 5000	79.4	86.9	87.9	88.4	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3
IV 4500	80.0	87.7	88.8	89.3	89.7	89.8	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.2
IV 4000	81.2	89.6	90.6	91.2	91.7	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2
IV 3500	81.6	90.2	91.2	91.8	92.4	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.9	92.9	93.0
IV 3000	82.2	91.0	92.2	92.9	93.5	93.6	93.8	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.1
IV 2500	82.7	91.7	92.9	93.6	94.2	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
IV 2000	83.3	92.6	93.9	94.7	95.4	95.5	95.7	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.1
IV 1800	83.4	92.8	94.2	95.0	95.7	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3	96.3
IV 1500	83.8	93.4	94.8	95.6	96.4	96.5	96.7	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1
IV 1200	84.1	93.9	95.4	96.3	97.1	97.2	97.5	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.9
IV 1000	84.4	94.4	96.0	96.9	97.7	97.9	98.1	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.6
IV 900	84.4	94.5	96.1	97.1	97.9	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
IV 800	84.5	94.7	96.3	97.2	98.1	98.3	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0
IV 700	84.5	94.8	96.4	97.5	98.4	98.6	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.4
IV 600	84.6	94.9	96.5	97.6	98.6	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.6
IV 500	84.6	94.9	96.6	97.7	98.7	98.9	99.2	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.8
IV 400	84.6	94.9	96.6	97.7	98.7	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
IV 300	84.6	94.9	96.6	97.7	98.8	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.9
IV 200	84.6	94.9	96.6	97.7	98.8	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.9
IV 100	84.6	94.9	96.6	97.7	98.8	98.9	99.3	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0
IV 0	84.6	94.9	96.6	97.7	98.8	98.9	99.3	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 19257

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 YEARS

SEP MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.5	62.8	63.4	63.7	63.9	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4
IV 20000	64.2	69.3	70.0	70.4	70.7	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.2	71.3
IV 18000	64.3	69.4	70.1	70.5	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.4
IV 16000	64.3	69.5	70.2	70.6	70.8	70.9	71.0	71.0	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.4
IV 14000	64.7	69.9	70.6	71.0	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.8	71.9
IV 12000	66.1	71.5	72.2	72.6	72.9	72.9	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.4	73.5
IV 10000	67.9	73.5	74.4	74.8	75.1	75.2	75.3	75.3	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.7
IV 9000	68.4	74.2	75.0	75.4	75.8	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.3	76.4
IV 8000	70.2	76.5	77.3	77.8	78.1	78.2	78.3	78.3	78.4	78.5	78.5	78.5	78.6	78.6	78.7	78.8
IV 7000	71.2	77.8	78.7	79.1	79.5	79.6	79.7	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.2
IV 6000	72.2	79.1	80.0	80.5	80.9	80.9	81.1	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.5	81.5
IV 5000	73.6	80.9	81.9	82.4	82.9	82.9	83.1	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.5	83.6
IV 4500	74.1	81.4	82.5	83.0	83.5	83.6	83.7	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.1	84.2
IV 4000	75.3	83.2	84.4	84.9	85.5	85.5	85.7	85.8	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.2
IV 3500	75.8	84.1	85.2	85.9	86.4	86.5	86.7	86.7	86.7	86.9	86.9	86.9	87.0	87.0	87.1	87.2
IV 3000	76.8	85.5	86.8	87.5	88.0	88.1	88.4	88.4	88.4	88.6	88.6	88.6	88.7	88.7	88.8	88.9
IV 2500	77.3	86.4	87.7	88.4	89.1	89.2	89.4	89.4	89.5	89.5	89.6	89.7	89.7	89.8	89.8	89.9
IV 2000	78.3	87.9	89.4	90.2	90.9	91.0	91.3	91.4	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8
IV 1800	78.5	88.3	89.8	90.6	91.4	91.5	91.8	91.9	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.3
IV 1500	79.0	89.2	90.8	91.7	92.5	92.6	92.9	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.4	93.5
IV 1200	79.6	90.5	92.2	93.1	94.0	94.2	94.3	94.3	94.3	94.6	94.7	94.8	94.8	94.9	94.9	95.0
IV 1000	80.0	91.4	93.3	94.3	95.4	95.6	95.9	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.5	96.6
IV 900	80.1	91.8	93.7	94.8	95.9	96.0	96.4	96.5	96.5	96.9	96.7	96.7	96.7	96.8	96.9	97.0
IV 800	80.2	92.1	94.0	95.2	96.4	96.6	97.0	97.1	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.7
IV 700	80.2	92.2	94.2	95.4	96.6	96.8	97.3	97.4	97.4	97.7	97.8	97.8	97.9	97.9	98.0	98.1
IV 600	80.3	92.5	94.6	95.9	97.2	97.4	97.8	98.0	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.7
IV 500	80.3	92.6	94.8	96.1	97.5	97.8	98.3	98.4	98.5	98.8	98.9	98.9	99.0	99.0	99.1	99.2
IV 400	80.3	92.6	94.9	96.3	97.7	97.9	98.5	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.5
IV 300	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.6	99.7
IV 200	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.2	99.4	99.4	99.5	99.6	99.7	99.8
IV 100	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.3	99.4	99.4	99.6	99.6	99.8	99.9
IV 0	80.3	92.6	94.9	96.3	97.7	98.0	98.6	98.8	98.8	99.3	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 19148

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

38-49,56-72  
 YEARS

OCT  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥
NO CEILING	59.0	64.4	65.3	65.9	66.2	66.2	66.3	66.3	66.3	66.5	66.5	66.5	66.6	66.6	66.7	66.7
IV 20000	64.3	70.6	71.6	72.2	72.6	72.6	72.7	72.7	72.7	72.9	72.9	72.9	73.0	73.0	73.1	73.1
IV 18000	64.4	70.7	71.7	72.3	72.6	72.6	72.7	72.8	72.8	72.9	73.0	73.0	73.1	73.1	73.2	73.2
IV 16000	64.4	70.8	71.7	72.4	72.7	72.7	72.8	72.8	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2
IV 14000	64.7	71.2	72.2	72.8	73.1	73.2	73.3	73.3	73.3	73.5	73.5	73.5	73.6	73.6	73.7	73.7
IV 12000	66.1	72.7	73.6	74.3	74.6	74.6	74.7	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.2	75.2
IV 10000	67.8	74.6	75.6	76.2	76.6	76.6	76.7	76.7	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.1
IV 9000	68.3	75.1	76.2	76.8	77.2	77.2	77.3	77.3	77.3	77.5	77.5	77.5	77.6	77.6	77.7	77.7
IV 8000	69.9	77.1	78.2	78.9	79.3	79.3	79.4	79.4	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.8
IV 7000	70.9	78.3	79.5	80.2	80.6	80.6	80.7	80.7	80.8	80.9	81.0	81.0	81.1	81.1	81.1	81.1
IV 6000	71.8	79.6	80.8	81.5	81.9	81.9	82.0	82.1	82.1	82.2	82.3	82.3	82.4	82.4	82.5	82.5
IV 5000	73.0	81.2	82.5	83.3	83.7	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3
IV 4500	73.4	81.8	83.1	83.9	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.9	84.9
IV 4000	74.0	82.6	84.0	84.8	85.3	85.3	85.4	85.5	85.5	85.6	85.7	85.7	85.8	85.8	85.9	85.9
IV 3500	74.6	83.4	84.8	85.7	86.1	86.1	86.3	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.7	86.7
IV 3000	75.5	84.7	86.3	87.2	87.7	87.7	87.8	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.3	88.3
IV 2500	76.2	85.8	87.3	88.3	88.8	88.8	89.0	89.0	89.0	89.2	89.2	89.2	89.3	89.3	89.4	89.4
IV 2000	77.3	87.2	88.9	90.0	90.5	90.6	90.7	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.2	91.2
IV 1800	77.7	87.8	89.6	90.6	91.2	91.2	91.4	91.4	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8
IV 1500	78.2	88.8	90.7	91.8	92.4	92.4	92.6	92.7	92.7	92.8	92.9	92.9	93.0	93.0	93.1	93.1
IV 1200	78.7	89.9	92.0	93.2	93.9	94.0	94.2	94.2	94.3	94.4	94.5	94.5	94.6	94.6	94.7	94.7
IV 1000	79.0	90.6	92.8	94.2	95.0	95.1	95.3	95.4	95.4	95.6	95.7	95.7	95.8	95.8	95.9	95.9
IV 900	79.1	90.9	93.2	94.7	95.7	95.7	96.0	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.6	96.6
IV 800	79.2	91.2	93.6	95.3	96.3	96.4	96.7	96.8	96.8	97.1	97.1	97.1	97.2	97.2	97.3	97.3
IV 700	79.3	91.4	93.9	95.6	96.7	96.9	97.2	97.4	97.4	97.7	97.7	97.7	97.8	97.8	97.9	97.9
IV 600	79.3	91.5	94.0	95.8	97.0	97.2	97.7	97.7	97.8	97.9	98.1	98.2	98.2	98.3	98.4	98.4
IV 500	79.3	91.6	94.2	96.0	97.3	97.5	98.0	98.2	98.3	98.6	98.7	98.7	98.8	98.8	98.9	98.9
IV 400	79.3	91.6	94.2	96.1	97.4	97.6	98.2	98.4	98.5	98.9	99.0	99.0	99.2	99.2	99.2	99.2
IV 300	79.3	91.6	94.2	96.1	97.4	97.6	98.2	98.5	98.6	99.0	99.2	99.2	99.4	99.4	99.5	99.5
IV 200	79.3	91.6	94.2	96.1	97.4	97.7	98.3	98.5	98.6	99.1	99.3	99.3	99.6	99.6	99.7	99.7
IV 100	79.3	91.6	94.2	96.1	97.4	97.7	98.3	98.5	98.6	99.1	99.3	99.3	99.6	99.6	99.7	99.7
IV 0	79.3	91.6	94.2	96.1	97.4	97.7	98.3	98.5	98.6	99.1	99.3	99.3	99.6	99.6	99.7	100

TOTAL NUMBER OF OBSERVATIONS 197

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	53.0	57.0	57.5	57.9	58.1	58.2	58.3	58.3	58.3	58.4	58.5	58.5	58.6	58.6	58.7	58.8
≥ 20000	59.5	64.5	65.2	65.6	65.9	65.9	66.1	66.1	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.5
IV 18000	59.7	64.7	65.4	65.8	66.1	66.1	66.3	66.3	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.7
IV 16000	59.8	64.7	65.5	65.9	66.2	66.2	66.4	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.7	66.8
IV 14000	60.1	65.2	65.9	66.3	66.6	66.7	66.8	66.8	66.9	66.9	67.0	67.0	67.1	67.1	67.2	67.3
IV 12000	61.8	67.0	67.7	68.1	68.4	68.5	68.6	68.7	68.7	68.7	68.8	68.8	68.9	68.9	69.0	69.1
IV 10000	63.6	68.9	69.7	70.1	70.4	70.4	70.6	70.6	70.6	70.7	70.8	70.8	70.9	70.9	70.9	71.0
IV 9000	64.0	69.5	70.2	70.6	71.0	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.5	71.6
IV 8000	65.3	71.0	71.8	72.2	72.5	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.1	73.2
IV 7000	66.2	72.1	72.9	73.4	73.7	73.7	73.9	73.9	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.3
IV 6000	66.8	73.0	73.8	74.3	74.7	74.7	74.9	74.9	75.0	75.0	75.1	75.1	75.2	75.2	75.3	75.4
IV 5000	67.8	74.1	75.0	75.5	75.9	76.0	76.2	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.6	76.7
IV 4500	68.1	74.6	75.5	76.1	76.5	76.5	76.7	76.7	76.8	76.9	76.9	76.9	77.0	77.0	77.1	77.2
IV 4000	69.1	75.9	76.9	77.6	78.0	78.1	78.3	78.3	78.3	78.4	78.5	78.5	78.6	78.6	78.7	78.8
IV 3500	69.9	76.9	77.9	78.5	79.0	79.1	79.3	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.7	79.8
IV 3000	71.2	78.7	79.7	80.4	80.9	81.0	81.2	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.7	81.8
IV 2500	72.1	80.1	81.2	81.9	82.4	82.5	82.8	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.3
IV 2000	73.7	82.4	83.7	84.5	85.1	85.2	85.4	85.5	85.5	85.6	85.7	85.7	85.8	85.8	85.9	86.0
IV 1800	74.3	83.3	84.6	85.5	86.1	86.2	86.5	86.5	86.5	86.7	86.8	86.8	86.9	86.9	87.0	87.0
IV 1500	75.5	85.4	86.9	87.8	88.5	88.6	89.0	89.1	89.1	89.2	89.3	89.3	89.4	89.4	89.5	89.6
IV 1200	76.4	87.4	89.1	90.2	91.0	91.1	91.5	91.6	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.1
IV 1000	76.9	88.5	90.5	91.8	92.8	92.9	93.4	93.5	93.6	93.7	93.8	93.8	94.0	94.0	94.0	94.1
IV 900	77.0	89.0	91.5	92.6	93.5	93.8	94.2	94.4	94.4	94.6	94.7	94.7	94.9	94.9	94.9	95.0
IV 800	77.2	89.4	91.9	93.3	94.5	94.7	95.2	95.5	95.5	95.7	95.9	95.9	96.0	96.0	96.1	96.2
IV 700	77.2	89.7	92.2	93.8	95.2	95.4	96.0	96.2	96.3	96.5	96.7	96.7	96.8	96.9	96.9	97.0
IV 600	77.2	90.0	92.6	94.2	95.7	95.9	96.6	96.9	97.0	97.3	97.4	97.5	97.6	97.7	97.7	97.8
IV 500	77.2	90.1	92.8	94.5	96.0	96.3	97.0	97.4	97.5	97.9	98.1	98.1	98.3	98.3	98.4	98.5
IV 400	77.2	90.1	92.8	94.7	96.4	96.7	97.5	97.9	97.9	98.4	98.7	98.7	98.9	99.0	99.1	99.2
IV 300	77.2	90.1	92.9	94.8	96.4	96.7	97.6	98.0	98.1	98.7	98.9	99.0	99.2	99.2	99.4	99.5
IV 200	77.2	90.1	92.9	94.8	96.5	96.7	97.6	98.0	98.1	98.8	99.0	99.1	99.3	99.4	99.5	99.7
IV 100	77.2	90.1	92.9	94.8	96.5	96.7	97.6	98.1	98.1	98.8	99.1	99.1	99.4	99.5	99.6	99.8
IV 0	77.2	90.1	92.9	94.8	96.5	96.7	97.6	98.1	98.1	98.8	99.1	99.1	99.4	99.5	99.7	100.0

TOTAL: NUMBER OF OBSERVATIONS 19289

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STAT-OPI

FURT RILEY KANSAS/MARSHALL AAF  
STAT-ONAME

38-49.56-72  
YEARS

CEC  
UNIT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS/DAYS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.5	51.4	51.9	52.3	52.6	52.6	52.9	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.1	53.1
IV 20000	54.7	59.8	60.9	61.0	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.9	61.9
IV 18000	54.9	60.0	60.7	61.2	61.6	61.6	61.8	61.8	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.2
IV 16000	55.1	60.2	60.9	61.4	61.7	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.3
IV 14000	55.4	60.6	61.3	61.8	62.2	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.7	62.8
IV 12000	56.6	62.0	62.8	63.3	63.7	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.2	64.3
IV 10000	58.8	64.4	65.1	65.7	66.1	66.1	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.6	66.6
IV 9000	59.4	65.1	65.9	66.4	66.8	66.8	67.0	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.4
IV 8000	60.7	66.6	67.4	68.0	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.9	69.0
IV 7000	61.7	67.8	68.7	69.2	69.7	69.7	69.9	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.2	70.3
IV 6000	62.4	68.7	69.5	70.1	70.6	70.6	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.1	71.1	71.2
IV 5000	63.4	70.0	70.9	71.5	72.0	72.0	72.2	72.2	72.2	72.3	72.4	72.4	72.5	72.5	72.5	72.6
IV 4500	63.8	70.5	71.4	72.1	72.5	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.1	73.2
IV 4000	64.5	71.4	72.4	73.1	73.5	73.6	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.1	74.2
IV 3500	65.1	72.2	73.2	73.9	74.4	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.9	74.9	75.0	75.1
IV 3000	66.1	73.6	74.7	75.4	76.0	76.1	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.7
IV 2500	67.1	75.1	76.3	77.1	77.7	77.8	78.0	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.4	78.4
IV 2000	68.8	77.6	78.9	79.8	80.5	80.5	80.8	80.9	80.9	81.1	81.1	81.1	81.2	81.2	81.3	81.3
IV 1800	69.7	78.3	79.7	80.6	81.3	81.4	81.7	81.8	81.8	81.9	82.0	82.0	82.1	82.1	82.2	82.2
IV 1500	70.0	79.7	81.1	82.2	83.1	83.1	83.5	83.6	83.7	83.8	83.9	83.9	84.0	84.0	84.1	84.1
IV 1200	71.0	81.5	83.1	84.3	85.2	85.5	85.9	86.1	86.1	86.3	86.5	86.5	86.6	86.6	86.7	86.7
IV 1000	71.5	82.6	84.5	86.1	87.3	87.5	88.1	88.3	88.4	88.8	88.9	88.9	89.1	89.1	89.2	89.3
IV 900	71.7	83.3	85.3	87.0	88.4	88.7	89.3	89.6	89.6	90.0	90.2	90.2	90.4	90.4	90.5	90.6
IV 800	72.0	83.9	86.1	88.0	89.6	89.9	90.7	91.0	91.1	91.6	91.8	91.8	92.0	92.0	92.1	92.2
IV 700	72.1	84.3	86.6	88.7	90.4	90.8	91.7	92.1	92.2	92.8	93.1	93.1	93.3	93.3	93.5	93.6
IV 600	72.1	84.7	87.1	89.3	91.2	91.6	92.7	93.1	93.3	94.0	94.4	94.4	94.7	94.7	94.9	95.0
IV 500	72.2	84.8	87.4	89.7	91.7	92.2	93.5	94.0	94.1	95.0	95.5	95.5	95.9	95.9	96.1	96.2
IV 400	72.2	85.0	87.6	90.0	92.1	92.6	94.0	94.6	94.8	95.8	96.4	96.4	96.9	96.9	97.1	97.2
IV 300	72.2	85.0	87.6	90.1	92.3	92.8	94.3	94.9	95.1	96.3	97.1	97.2	97.7	97.7	97.8	97.8
IV 200	72.2	85.0	87.6	90.1	92.3	92.8	94.3	95.0	95.2	96.5	97.4	97.5	98.2	98.3	98.7	98.8
IV 100	72.2	85.0	87.6	90.1	92.3	92.9	94.4	95.1	95.3	96.7	97.7	97.8	98.6	98.7	99.1	99.3
IV 0	72.2	85.0	87.6	90.1	92.3	92.9	94.4	95.1	95.3	96.7	97.7	97.8	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 19717

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46/48-50, 57-71  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	53.9	57.9	58.6	59.0	59.4	59.4	59.4	59.5	59.5	59.7	59.7	59.7	59.9	59.9	60.0	60.1
IV 20000	58.6	63.4	64.1	64.5	64.9	64.9	64.9	65.0	65.0	65.2	65.2	65.3	65.4	65.4	65.5	65.6
IV 18000	58.7	63.5	64.2	64.6	65.0	65.0	65.0	65.1	65.1	65.3	65.3	65.3	65.5	65.5	65.6	65.6
IV 16000	58.8	63.6	64.4	64.8	65.2	65.2	65.2	65.3	65.3	65.5	65.5	65.5	65.7	65.7	65.7	65.8
IV 14000	58.9	63.8	64.5	64.9	65.3	65.3	65.3	65.4	65.4	65.6	65.6	65.6	65.8	65.8	65.9	65.9
IV 12000	59.9	64.7	65.5	65.9	66.2	66.2	66.2	66.3	66.4	66.6	66.6	66.6	66.8	66.8	66.8	66.9
IV 10000	61.6	66.4	67.2	67.5	67.9	67.9	68.0	68.1	68.1	68.3	68.3	68.3	68.5	68.5	68.5	68.6
IV 9000	62.0	67.0	67.7	68.1	68.5	68.5	68.5	68.6	68.6	68.8	68.8	68.8	69.0	69.0	69.1	69.2
IV 8000	63.1	68.3	69.2	69.7	70.1	70.1	70.1	70.2	70.2	70.4	70.4	70.4	70.6	70.6	70.6	70.7
IV 7000	63.9	69.2	70.2	70.7	71.1	71.1	71.1	71.2	71.2	71.4	71.4	71.4	71.6	71.6	71.7	71.8
IV 6000	64.6	70.0	71.1	71.6	72.0	72.0	72.0	72.1	72.1	72.3	72.3	72.3	72.5	72.5	72.5	72.6
IV 5000	65.3	71.0	72.2	72.7	73.1	73.1	73.1	73.2	73.2	73.4	73.4	73.4	73.6	73.6	73.7	73.7
IV 4500	65.3	71.4	72.6	73.1	73.5	73.5	73.5	73.6	73.6	73.8	73.8	73.8	74.0	74.0	74.0	74.1
IV 4000	66.0	72.1	73.4	73.9	74.4	74.4	74.4	74.5	74.5	74.7	74.7	74.7	74.9	74.9	74.9	75.0
IV 3500	66.6	73.0	74.3	74.8	75.3	75.3	75.3	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.9
IV 3000	67.3	74.4	75.7	76.3	76.8	76.8	76.9	77.0	77.0	77.2	77.2	77.2	77.4	77.4	77.5	77.6
IV 2500	68.2	75.7	77.1	77.7	78.3	78.3	78.3	78.5	78.5	78.6	78.6	78.6	79.0	79.0	79.1	79.2
IV 2000	69.6	78.2	79.6	80.5	81.2	81.2	81.2	81.5	81.6	81.6	81.6	81.8	81.8	82.1	82.1	82.2
IV 1800	70.0	78.8	80.2	81.2	81.9	81.9	82.3	82.4	82.4	82.7	82.7	82.7	82.9	82.9	82.9	83.0
IV 1500	71.0	80.4	81.9	82.9	83.7	83.9	84.3	84.4	84.4	84.8	84.8	84.8	85.0	85.0	85.1	85.1
IV 1200	71.8	81.9	83.6	84.6	85.7	85.8	86.4	86.6	86.6	86.9	86.9	86.9	87.1	87.1	87.2	87.3
IV 1000	72.2	83.3	85.0	86.3	87.3	87.5	88.1	88.3	88.3	88.7	88.7	88.7	89.0	89.0	89.0	89.1
IV 900	72.3	83.6	85.4	86.8	87.9	88.1	88.8	89.0	89.0	89.5	89.6	89.6	89.8	89.8	89.9	89.9
IV 800	72.5	84.1	86.1	87.7	89.0	89.1	89.9	90.1	90.1	90.7	90.9	90.9	91.1	91.1	91.1	91.2
IV 700	72.7	84.4	86.4	88.3	89.7	89.9	90.7	90.9	90.9	91.5	91.8	91.8	92.0	92.0	92.0	92.1
IV 600	72.9	84.7	86.8	88.9	90.4	90.6	91.6	92.1	92.1	92.9	93.2	93.2	93.5	93.5	93.5	93.6
IV 500	72.9	84.8	87.2	89.4	91.2	91.5	92.7	93.3	93.3	94.2	94.5	94.5	94.8	94.8	94.8	95.0
IV 400	72.9	84.9	87.3	89.6	91.6	91.9	93.3	94.1	94.1	95.4	95.8	95.9	96.1	96.2	96.3	96.4
IV 300	72.9	85.1	87.5	89.9	92.0	92.4	93.9	94.8	94.8	96.2	96.8	96.9	97.1	97.3	97.4	97.5
IV 200	72.9	85.1	87.5	89.9	92.0	92.5	94.0	94.8	94.8	96.3	97.1	97.2	97.7	97.8	97.9	98.1
IV 100	72.9	85.1	87.5	89.9	92.0	92.5	94.1	95.0	95.0	96.4	97.3	97.6	98.1	98.3	98.4	98.6
IV 0	72.9	85.1	87.5	89.9	92.0	92.5	94.1	95.0	95.0	96.5	97.6	97.7	98.3	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2308

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46,48-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.1	55.5	56.7	57.2	57.7	57.8	58.0	58.0	58.0	58.1	58.2	58.2	58.4	58.4	58.4	58.6
W 20000	55.1	61.4	62.5	63.1	63.6	63.7	63.9	64.0	64.0	64.1	64.2	64.2	64.4	64.4	64.4	64.5
W 18000	55.2	61.5	62.7	63.2	63.8	63.8	64.0	64.1	64.1	64.2	64.3	64.3	64.5	64.5	64.5	64.7
W 16000	55.4	61.8	62.9	63.5	64.0	64.1	64.3	64.4	64.4	64.5	64.6	64.6	64.8	64.8	64.8	64.9
W 14000	55.4	61.8	62.9	63.5	64.0	64.1	64.3	64.4	64.4	64.5	64.6	64.6	64.8	64.8	64.8	64.9
W 12000	55.9	62.4	63.5	64.1	64.6	64.7	64.9	65.0	65.0	65.1	65.2	65.2	65.4	65.4	65.4	65.5
W 10000	57.5	64.1	65.3	65.8	66.3	66.4	66.6	66.7	66.7	66.8	66.9	66.9	67.1	67.1	67.1	67.3
W 9000	58.0	64.7	65.8	66.4	66.9	67.0	67.2	67.3	67.3	67.4	67.5	67.5	67.6	67.6	67.7	67.8
W 8000	59.1	66.0	67.3	67.9	68.4	68.5	68.7	68.8	68.8	68.9	69.0	69.0	69.2	69.2	69.2	69.3
W 7000	60.0	67.1	68.4	69.0	69.5	69.6	69.8	69.9	69.9	70.0	70.1	70.1	70.2	70.2	70.3	70.5
W 6000	60.8	68.1	69.4	70.1	70.6	70.7	70.9	71.0	71.0	71.1	71.2	71.2	71.4	71.4	71.4	71.5
W 5000	61.1	68.8	70.2	70.8	71.4	71.4	71.6	71.7	71.7	71.8	71.9	71.9	72.1	72.1	72.1	72.3
W 4500	61.4	69.2	70.5	71.1	71.7	71.7	72.0	72.1	72.1	72.2	72.3	72.3	72.5	72.5	72.5	72.7
W 4000	61.8	69.8	71.1	71.8	72.4	72.4	72.7	72.7	72.7	72.9	73.0	73.0	73.1	73.1	73.2	73.3
W 3500	62.3	70.5	71.8	72.5	73.1	73.1	73.4	73.5	73.5	73.6	73.7	73.7	73.9	73.9	73.9	74.0
W 3000	63.4	71.9	73.3	74.0	74.6	74.6	75.0	75.1	75.1	75.2	75.3	75.3	75.5	75.5	75.5	75.6
W 2500	64.1	72.9	74.3	75.1	75.7	75.7	76.1	76.2	76.2	76.3	76.4	76.4	76.5	76.5	76.6	76.7
W 2000	65.7	75.8	77.1	77.9	78.7	78.8	79.3	79.4	79.4	79.5	79.6	79.6	79.8	79.8	79.8	80.0
W 1800	66.0	76.4	77.8	78.6	79.3	79.6	80.2	80.3	80.3	80.4	80.5	80.5	80.6	80.6	80.7	80.8
W 1500	67.3	78.3	79.7	80.7	81.6	81.7	82.3	82.4	82.4	82.6	82.8	82.8	82.9	82.9	83.0	83.1
W 1200	68.2	80.0	81.7	82.8	83.8	83.8	84.6	84.7	84.7	85.0	85.1	85.1	85.3	85.3	85.4	85.5
W 1000	68.9	82.1	83.8	85.2	86.4	86.5	87.3	87.4	87.4	87.9	88.0	88.0	88.2	88.2	88.3	88.4
W 900	69.3	82.6	84.6	86.1	87.3	87.4	88.3	88.4	88.5	88.9	89.1	89.1	89.2	89.2	89.3	89.4
W 800	69.5	83.2	85.4	87.0	88.3	88.3	89.2	89.5	89.5	90.0	90.3	90.3	90.5	90.5	90.5	90.6
W 700	69.7	83.8	86.2	87.9	89.3	89.5	90.6	90.8	90.9	91.4	91.8	91.8	92.0	92.0	92.0	92.1
W 600	70.0	84.3	86.9	88.7	90.3	90.4	91.6	91.9	91.9	92.7	93.0	93.0	93.2	93.2	93.3	93.4
W 500	70.1	84.5	87.2	89.1	90.8	90.8	92.1	92.4	92.4	93.3	93.8	93.8	94.0	94.1	94.2	94.3
W 400	70.2	84.8	87.5	89.4	91.4	91.5	92.9	93.3	93.3	94.4	95.1	95.1	95.4	95.5	95.5	95.6
W 300	70.2	84.8	87.6	89.5	91.5	91.7	93.2	93.6	93.6	94.8	95.7	95.8	96.0	96.1	96.2	96.3
W 200	70.2	84.8	87.6	89.5	91.5	91.7	93.2	93.8	93.8	94.8	95.7	95.8	96.0	96.1	96.2	96.3
W 100	70.2	84.8	87.6	89.5	91.5	91.7	93.3	93.8	93.8	94.9	95.2	95.2	96.8	96.8	97.5	97.5
W 0	70.2	84.8	87.6	89.5	91.5	91.7	93.3	93.9	93.9	95.2	96.8	96.8	97.6	97.6	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS 2315

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 39-50,57-72 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.3	51.0	52.5	53.3	53.9	53.9	54.1	54.2	54.2	54.5	54.6	54.6	54.7	54.8	54.8	54.9
IV 20000	51.2	58.0	59.5	60.5	61.2	61.2	61.3	61.6	61.6	61.9	62.1	62.1	62.2	62.3	62.3	62.5
IV 18000	51.2	58.1	59.6	60.6	61.3	61.3	61.6	61.7	61.7	62.0	62.2	62.2	62.3	62.4	62.4	62.6
IV 16000	51.4	58.3	59.8	60.8	61.5	61.5	61.8	61.9	61.9	62.2	62.4	62.4	62.5	62.6	62.6	62.8
IV 14000	51.6	58.6	60.1	61.1	61.7	61.8	62.1	62.2	62.2	62.5	62.7	62.7	62.8	62.9	62.9	63.0
IV 12000	52.4	59.6	61.2	62.2	62.9	63.0	63.2	63.4	63.4	63.7	63.8	63.8	64.0	64.0	64.0	64.2
IV 10000	53.6	61.0	62.6	63.6	64.3	64.3	64.6	64.7	64.7	65.0	65.2	65.2	65.3	65.4	65.4	65.6
IV 9000	53.9	61.3	62.9	63.9	64.6	64.7	65.0	65.1	65.1	65.4	65.6	65.6	65.7	65.8	65.8	65.9
IV 8000	55.1	62.9	64.5	65.5	66.2	66.3	66.6	66.7	66.7	67.0	67.2	67.2	67.3	67.4	67.4	67.5
IV 7000	56.4	64.5	66.1	67.1	67.9	67.9	68.2	68.3	68.3	68.7	68.8	68.8	68.9	69.0	69.0	69.2
IV 6000	57.0	65.4	67.1	68.1	68.8	68.9	69.2	69.3	69.3	69.6	69.8	69.8	69.9	70.0	70.0	70.2
IV 5000	57.4	66.0	67.7	68.7	69.5	69.6	69.9	70.0	70.0	70.4	70.5	70.5	70.6	70.7	70.7	70.9
IV 4500	57.5	66.0	67.8	68.9	69.7	69.8	70.1	70.2	70.2	70.6	70.7	70.7	70.8	70.9	70.9	71.1
IV 4000	57.8	66.7	68.4	69.5	70.4	70.4	70.8	70.9	70.9	71.2	71.4	71.4	71.5	71.6	71.6	71.7
IV 3500	58.2	67.2	68.9	70.1	71.0	71.1	71.5	71.6	71.6	72.0	72.1	72.1	72.2	72.3	72.3	72.5
IV 3000	58.9	68.3	70.0	71.3	72.2	72.4	72.8	73.0	73.0	73.4	73.6	73.6	73.7	73.8	73.8	73.9
IV 2500	59.7	69.5	71.3	72.6	73.8	73.9	74.4	74.6	74.6	75.1	75.2	75.2	75.3	75.4	75.4	75.6
IV 2000	61.0	71.6	73.5	74.9	76.2	76.3	77.0	77.2	77.2	77.6	77.8	77.8	78.0	78.0	78.0	78.2
IV 1800	61.5	72.4	74.2	75.7	77.1	77.2	77.9	78.1	78.1	78.5	78.7	78.7	78.8	78.9	78.9	79.1
IV 1500	62.5	74.5	76.3	78.2	79.7	79.8	80.7	80.9	80.9	81.5	81.7	81.7	81.9	82.0	82.0	82.1
IV 1200	63.2	75.7	77.8	79.8	81.4	81.6	82.5	82.7	82.7	83.4	83.6	83.6	83.7	83.8	83.8	84.0
IV 1000	64.0	77.4	79.8	82.0	83.7	83.9	84.9	85.2	85.2	86.1	86.4	86.4	86.6	86.7	86.7	86.8
IV 900	64.2	77.9	80.4	82.8	84.6	84.8	85.9	86.2	86.2	87.2	87.5	87.5	87.7	87.8	87.8	88.0
IV 800	64.4	78.6	81.3	83.8	85.7	86.0	87.3	87.7	87.7	88.7	88.9	88.9	89.2	89.3	89.3	89.4
IV 700	64.4	78.8	81.6	84.2	86.3	86.6	88.1	88.5	88.5	89.7	90.0	90.0	90.3	90.4	90.4	90.6
IV 600	64.4	79.1	82.1	85.1	87.2	87.5	89.1	89.5	89.5	90.9	91.3	91.3	91.6	91.7	91.7	92.0
IV 500	64.5	79.4	82.4	85.7	88.1	88.4	90.2	90.8	90.8	92.4	92.9	92.9	93.4	93.5	93.5	93.7
IV 400	64.5	79.5	82.5	86.0	88.7	89.0	91.2	92.0	92.0	93.9	94.6	94.6	95.1	95.2	95.2	95.5
IV 300	64.5	79.5	82.6	86.0	88.9	89.2	91.5	92.6	92.6	94.6	95.5	95.5	96.1	96.2	96.2	96.6
IV 200	64.5	79.5	82.6	86.0	88.9	89.3	91.7	92.8	92.8	95.0	95.9	95.9	96.7	96.9	97.1	97.5
IV 100	64.5	79.5	82.6	86.0	88.9	89.3	91.8	93.0	93.0	95.2	96.4	96.4	97.4	97.7	98.1	98.6
IV 0	64.5	79.5	82.6	86.0	88.9	89.3	91.8	93.0	93.0	95.2	96.5	96.5	97.5	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2486

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50-57-72  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.1	47.9	48.8	49.2	49.3	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 20000	50.6	57.3	58.4	59.0	59.4	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
IV 18000	50.9	57.6	58.0	59.3	59.7	59.9	60.4	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
IV 16000	51.0	57.8	58.9	59.4	59.8	60.1	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.6
IV 14000	51.5	58.3	59.4	60.0	60.4	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
IV 12000	52.8	59.8	61.0	61.6	62.0	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.7
IV 10000	54.5	61.7	62.9	63.4	63.8	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 9000	55.0	62.4	63.6	64.1	64.5	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3
IV 8000	56.3	64.0	65.2	65.9	66.3	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0
IV 7000	57.4	65.4	66.9	67.5	67.8	68.1	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7
IV 6000	58.2	66.5	67.9	68.6	69.0	69.2	69.5	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 5000	59.0	67.6	69.1	69.8	70.3	70.6	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
IV 4500	59.2	67.9	69.4	70.3	70.8	71.1	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
IV 4000	59.7	68.4	69.9	70.8	71.4	71.6	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 3500	59.9	68.6	70.2	71.2	71.8	72.1	72.4	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8
IV 3000	60.5	69.6	71.2	72.2	72.9	73.2	73.5	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 2500	61.2	70.5	72.3	73.4	74.3	74.5	74.9	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5
IV 2000	62.0	72.6	74.6	75.7	76.8	77.1	77.5	77.8	77.9	78.1	78.1	78.2	78.2	78.2	78.2	78.3
IV 1800	62.4	73.2	75.3	76.5	77.6	77.9	78.3	78.6	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.2
IV 1500	63.2	74.7	77.2	78.5	79.9	80.2	80.8	81.2	81.3	81.6	81.6	81.7	81.8	81.8	81.8	81.8
IV 1200	64.0	76.0	78.7	80.4	81.8	82.2	83.0	83.3	83.5	83.9	84.0	84.1	84.2	84.2	84.2	84.3
IV 1000	64.4	77.2	80.4	82.1	83.7	84.1	85.1	85.6	85.8	86.3	86.5	86.5	86.7	86.7	86.7	86.8
IV 900	64.5	77.6	81.0	83.0	84.7	85.2	86.3	86.9	87.1	87.6	87.8	87.8	88.1	88.1	88.1	88.2
IV 800	64.6	78.2	81.6	83.7	85.7	86.2	87.5	88.2	88.3	89.0	89.3	89.4	89.8	89.8	89.8	89.8
IV 700	64.6	78.4	82.3	84.5	86.7	87.3	88.9	89.8	89.9	90.8	91.1	91.2	91.6	91.6	91.6	91.7
IV 600	64.7	78.6	82.5	84.9	87.2	88.0	89.8	90.7	90.9	91.9	92.3	92.4	92.8	92.8	92.9	93.0
IV 500	64.7	78.7	82.7	85.4	87.9	88.8	90.8	92.0	92.2	93.8	94.5	94.7	95.1	95.1	95.3	95.3
IV 400	64.7	78.8	82.8	85.5	88.0	89.0	91.2	92.5	92.7	94.5	95.4	95.6	96.2	96.3	96.5	96.6
IV 300	64.7	78.8	82.9	85.6	88.1	89.1	91.4	92.9	93.1	95.3	96.5	96.7	97.6	97.7	97.8	98.0
IV 200	64.7	78.8	82.9	85.6	88.1	89.1	91.4	93.0	93.2	95.5	96.9	97.2	98.4	98.5	98.8	99.0
IV 100	64.7	78.8	82.9	85.6	88.1	89.1	91.4	93.0	93.2	95.6	97.0	97.3	98.7	98.9	99.4	99.7
IV 0	64.7	78.8	82.9	85.6	88.1	89.1	91.4	93.0	93.2	95.6	97.0	97.3	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2510

REF ID: A66810

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50:57-72  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	> ¼	≥ 0
NO CEILING	47.6	49.8	50.1	50.1	50.2	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 20000	57.9	61.7	62.1	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 18000	58.2	62.0	62.4	62.6	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	58.3	62.1	62.5	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 14000	59.0	62.8	63.2	63.4	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000	60.2	64.2	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	62.2	66.5	66.9	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	62.6	66.9	67.4	67.5	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	63.6	68.2	68.7	68.9	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	64.5	69.3	69.8	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4
IV 6000	65.7	70.7	71.3	71.5	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0
IV 5000	66.2	71.4	72.0	72.3	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4500	66.4	71.7	72.3	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
IV 4000	67.1	72.5	73.1	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1
IV 3500	67.6	73.1	73.7	74.0	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	68.4	74.1	74.7	75.1	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2500	69.5	75.8	76.5	77.1	77.5	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 2000	70.8	78.1	78.8	79.4	79.9	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3
IV 1800	71.0	78.6	79.4	80.1	80.6	80.7	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1500	72.1	80.6	81.5	82.3	83.0	83.1	83.2	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6
IV 1200	72.8	82.1	83.3	84.4	85.1	85.3	85.6	85.9	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3
IV 1000	73.1	83.1	84.9	86.3	87.2	87.5	87.9	88.5	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.1
IV 900	73.2	83.6	85.8	87.3	88.3	88.7	89.2	89.9	90.0	90.4	90.6	90.6	90.7	90.7	90.7	90.7
IV 800	73.2	84.0	86.3	88.0	89.2	89.7	90.5	91.3	91.4	92.1	92.3	92.3	92.5	92.5	92.5	92.5
IV 700	73.2	84.5	86.8	88.8	90.3	90.8	91.9	92.8	92.9	93.6	93.9	93.9	94.1	94.1	94.1	94.1
IV 600	73.2	84.6	87.0	89.1	90.8	91.4	92.9	93.9	94.0	95.0	95.3	95.4	95.7	95.7	95.8	95.8
IV 500	73.2	84.7	87.2	89.3	91.1	91.7	93.5	94.8	94.9	96.2	96.8	97.0	97.3	97.3	97.4	97.5
IV 400	73.2	84.7	87.2	89.4	91.2	91.9	93.8	95.2	95.3	96.7	97.5	97.7	98.3	98.3	98.4	98.4
IV 300	73.2	84.7	87.2	89.4	91.2	91.9	93.9	95.3	95.5	96.9	98.0	98.2	98.8	98.8	99.0	99.0
IV 200	73.2	84.7	87.2	89.4	91.2	91.9	94.0	95.4	95.5	97.1	98.3	98.5	99.2	99.2	99.4	99.5
IV 100	73.2	84.7	87.2	89.4	91.2	91.9	94.0	95.4	95.5	97.1	98.3	98.5	99.3	99.4	99.6	99.8
IV 0	73.2	84.7	87.2	89.4	91.2	91.9	94.0	95.4	95.5	97.1	98.3	98.5	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2515

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-50,57-72  
YEAR

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.0	49.8	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 20000	59.5	62.9	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7
IV 18000	59.9	63.3	63.7	63.8	63.9	63.9	63.9	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1
IV 16000	60.0	63.3	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 14000	60.6	64.1	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9
IV 12000	62.4	65.9	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	64.7	68.4	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	64.9	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6
IV 8000	65.9	70.0	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9
IV 7000	66.9	71.2	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	67.7	72.3	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5
IV 5000	69.0	73.7	74.5	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
IV 4500	69.0	73.9	74.7	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4
IV 4000	69.9	74.9	75.7	75.9	76.1	76.2	76.3	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 3500	70.4	75.5	76.4	76.7	76.9	77.0	77.1	77.1	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	71.6	76.9	77.8	78.2	78.4	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	72.4	78.1	79.1	79.5	79.8	79.8	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
IV 2000	73.7	80.2	81.4	82.0	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 1800	74.1	81.1	82.5	83.0	83.4	83.5	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	75.6	83.8	85.4	86.1	86.6	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1200	76.1	84.9	86.9	87.8	88.6	88.7	89.1	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5
IV 1000	76.4	85.9	88.1	89.3	90.4	90.7	91.2	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	76.4	86.4	88.6	90.0	91.2	91.5	92.2	92.4	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9
IV 800	76.4	86.7	88.9	90.5	91.9	92.3	93.1	93.7	93.8	94.1	94.3	94.3	94.4	94.4	94.4	94.4
IV 700	76.5	86.9	89.2	90.9	92.5	92.9	94.0	94.6	94.8	95.3	95.6	95.6	95.7	95.7	95.7	95.7
IV 600	76.5	86.9	89.3	91.1	93.0	93.4	94.7	95.6	95.8	96.5	96.9	96.9	97.0	97.0	97.0	97.0
IV 500	76.5	86.9	89.5	91.4	93.5	93.9	95.6	96.7	96.9	97.8	98.3	98.3	98.5	98.5	98.5	98.5
IV 400	76.5	87.0	89.5	91.4	93.6	94.0	95.7	96.8	97.1	98.0	98.5	98.5	99.0	99.0	99.0	99.1
IV 300	76.5	87.0	89.6	91.4	93.6	94.1	95.9	97.1	97.3	98.3	98.8	98.8	99.3	99.3	99.4	99.5
IV 200	76.5	87.0	89.6	91.5	93.7	94.1	95.9	97.1	97.3	98.3	98.9	98.9	99.4	99.4	99.5	99.6
IV 100	76.5	87.0	89.6	91.5	93.7	94.1	95.9	97.1	97.3	98.3	98.9	98.9	99.4	99.4	99.5	99.6
IV 0	76.5	87.0	89.6	91.5	93.7	94.1	95.9	97.1	97.3	98.3	98.9	98.9	99.4	99.4	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 2510

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-46,48-50,57-72 YEARS JAN MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOURS (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.7	56.3	56.5	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 20000	60.7	65.5	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 18000	61.1	65.9	66.4	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 16000	61.1	65.9	66.4	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 14000	61.2	66.2	66.6	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 12000	62.6	67.6	68.1	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	64.9	70.2	70.6	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	65.2	70.5	70.9	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	66.0	71.5	72.0	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	67.3	72.9	73.4	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	68.2	74.1	74.6	74.9	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	69.6	75.8	76.4	76.8	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	69.8	76.2	76.9	77.3	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4000	70.5	77.0	77.7	78.2	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 3500	71.1	77.7	78.6	79.0	79.3	79.3	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 3000	72.0	78.9	79.8	80.3	80.7	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 2500	72.6	80.0	81.1	81.6	82.0	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2000	73.9	82.2	83.3	83.9	84.5	84.5	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	74.3	82.9	84.1	84.8	85.4	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1500	75.0	84.5	85.9	86.7	87.3	87.3	87.5	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1
IV 1200	75.4	85.4	87.0	88.2	89.0	89.3	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	75.7	86.2	88.1	89.6	90.7	91.1	91.7	92.0	92.0	92.0	92.0	92.3	92.3	92.3	92.3	92.3
IV 900	75.7	86.5	88.3	89.9	91.2	91.5	92.4	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	75.7	86.7	88.6	90.3	91.8	92.2	93.0	93.3	93.3	93.9	94.1	94.2	94.2	94.2	94.2	94.2
IV 700	75.8	87.0	89.0	91.0	92.5	93.0	93.8	94.2	94.2	94.8	95.1	95.2	95.2	95.2	95.2	95.2
IV 600	75.9	87.2	89.3	91.3	93.3	93.9	95.1	95.4	95.5	96.3	96.6	96.6	96.6	96.6	96.6	96.6
IV 500	75.9	87.3	89.5	91.6	93.6	94.2	95.5	96.0	96.1	96.9	97.2	97.3	97.3	97.3	97.3	97.3
IV 400	75.9	87.3	89.5	91.8	94.0	94.6	96.0	96.6	96.7	97.7	98.0	98.1	98.2	98.2	98.2	98.2
IV 300	75.9	87.3	89.6	91.9	94.1	94.7	96.3	96.9	97.0	98.1	98.6	98.7	98.8	98.8	98.9	98.9
IV 200	75.9	87.3	89.6	91.9	94.1	94.7	96.3	96.9	97.0	98.2	98.7	98.8	99.2	99.2	99.2	99.2
IV 100	75.9	87.3	89.6	91.9	94.1	94.8	96.3	97.1	97.1	98.3	98.9	98.9	99.4	99.4	99.5	99.5
IV 0	75.9	87.3	89.6	91.9	94.1	94.8	96.3	97.1	97.1	98.3	98.9	98.9	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2355

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46,48-50,57-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	55.1	58.2	58.5	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3
IV 20000	61.9	65.7	66.2	66.7	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2
IV 18000	62.0	65.8	66.2	66.8	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IV 16000	62.0	65.8	66.2	66.8	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3
IV 14000	62.2	66.0	66.5	67.0	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IV 12000	63.2	67.2	67.6	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7
IV 10000	65.2	69.1	69.6	70.2	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.7
IV 9000	65.4	69.4	69.9	70.5	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0
IV 8000	66.1	70.3	70.8	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.9
IV 7000	66.9	71.3	71.8	72.4	72.6	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9
IV 6000	67.8	72.6	73.0	73.6	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.3
IV 5000	69.1	74.8	75.4	76.1	76.3	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.8
IV 4500	69.2	75.2	75.8	76.4	76.7	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
IV 4000	69.9	75.9	76.5	77.1	77.4	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.9
IV 3500	70.4	76.7	77.3	77.9	78.2	78.2	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.7
IV 3000	71.6	78.4	79.1	79.8	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.6
IV 2500	72.4	79.5	80.2	80.9	81.3	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
IV 2000	73.8	81.9	82.7	83.6	84.0	84.0	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
IV 1800	74.1	82.4	83.2	84.2	84.6	84.6	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.4
IV 1500	74.6	83.8	84.7	85.7	86.1	86.2	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0
IV 1200	75.1	85.0	86.2	87.5	88.1	88.2	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.2
IV 1000	75.5	86.0	87.3	88.8	89.5	89.6	90.1	90.5	90.5	90.6	90.7	90.7	90.7	90.8	90.8	90.8	90.9
IV 900	75.6	86.2	87.6	89.1	90.0	90.1	90.8	91.2	91.2	91.4	91.5	91.5	91.5	91.6	91.6	91.6	91.7
IV 800	75.8	86.7	88.2	89.8	90.8	91.0	91.7	92.1	92.1	92.4	92.5	92.5	92.5	92.7	92.7	92.7	92.8
IV 700	76.0	87.2	88.9	90.5	91.7	92.0	92.7	93.2	93.2	93.6	93.7	93.7	93.9	93.9	93.9	93.9	93.9
IV 600	76.0	87.3	89.2	90.8	92.2	92.5	93.4	93.9	93.9	94.6	94.7	94.7	94.9	94.9	94.9	94.9	95.0
IV 500	76.1	87.6	89.7	91.3	93.0	93.3	94.4	94.9	94.9	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.1
IV 400	76.1	87.6	89.8	91.6	93.5	93.8	95.1	95.7	95.7	96.7	96.9	96.9	97.1	97.1	97.1	97.1	97.2
IV 300	76.1	87.6	89.9	91.9	93.8	94.2	95.5	96.2	96.3	97.5	97.8	97.8	98.1	98.1	98.1	98.1	98.2
IV 200	76.1	87.6	89.9	91.9	93.8	94.2	95.7	96.3	96.3	97.6	98.1	98.1	98.6	98.6	98.6	98.7	98.7
IV 100	76.1	87.6	89.9	91.9	93.8	94.3	95.8	96.5	96.5	97.8	98.3	98.4	99.0	99.0	99.0	99.1	99.2
IV 0	76.1	87.6	89.9	91.9	93.8	94.3	95.9	96.5	96.5	97.9	98.4	98.5	99.2	99.2	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2314

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-71  
YEARS

FFB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.7	53.9	54.2	54.5	54.9	54.9	55.2	55.3	55.3	55.5	55.5	55.5	55.7	55.7	55.7	55.7
IV 18000 16000	56.0	59.7	60.0	60.6	61.1	61.1	61.5	61.5	61.5	61.8	61.8	61.8	61.9	61.9	61.9	61.9
IV 14000 12000	56.3	60.1	60.4	61.0	61.4	61.5	61.8	61.9	61.9	62.1	62.1	62.1	62.3	62.3	62.3	62.3
IV 10000 9000	58.1	62.1	62.4	63.0	63.5	63.5	63.9	63.9	63.9	64.2	64.2	64.2	64.4	64.4	64.4	64.4
IV 8000 7000	59.5	63.7	64.1	64.7	65.2	65.2	65.6	65.6	65.6	65.9	65.9	65.9	66.1	66.1	66.1	66.1
IV 6000 5000	62.2	66.9	67.3	68.0	68.5	68.5	68.9	68.9	68.9	69.2	69.2	69.2	69.4	69.4	69.4	69.4
IV 4500 4000	65.2	70.6	71.1	71.7	72.2	72.2	72.6	72.6	72.6	72.9	72.9	72.9	73.1	73.1	73.1	73.1
IV 3500 3000	67.7	73.6	74.2	74.9	75.4	75.5	75.8	75.9	75.9	76.1	76.2	76.2	76.3	76.3	76.3	76.3
IV 2500 2000	70.3	76.7	77.6	78.3	78.9	79.0	79.4	79.4	79.4	79.8	79.8	79.8	80.0	80.0	80.0	80.0
IV 1800 1500	72.5	80.0	81.0	81.7	82.5	82.6	83.0	83.1	83.1	83.5	83.6	83.6	83.7	83.7	83.7	83.7
IV 1200 1000	74.1	83.4	85.0	85.8	87.0	87.1	87.5	87.7	87.7	88.1	88.2	88.2	88.3	88.3	88.3	88.3
IV 900 800	74.4	84.5	86.3	87.3	89.0	89.2	89.9	90.1	90.1	90.8	90.9	90.9	91.1	91.1	91.1	91.1
IV 700 600	74.6	85.4	87.3	88.8	91.0	91.2	91.9	92.2	92.2	93.1	93.3	93.3	93.5	93.5	93.5	93.5
IV 500 400	74.6	85.8	87.9	89.4	91.8	92.0	92.9	93.2	93.2	94.2	94.4	94.4	94.6	94.6	94.6	94.6
IV 300 200	74.8	86.3	88.5	90.3	92.9	93.1	94.3	94.8	94.9	96.0	96.6	96.7	97.0	97.0	97.0	97.0
IV 100 0	74.8	86.3	88.6	90.4	93.0	93.2	94.4	95.0	95.0	96.4	97.2	97.4	98.1	98.1	98.4	98.8

TOTAL NUMBER OF OBSERVATIONS 2021

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.8	52.5	52.7	53.4	53.7	53.8	53.9	54.0	54.0	54.2	54.2	54.3	54.3	54.3	54.3	54.3
IV 20000	53.0	58.6	58.8	59.6	60.0	60.1	60.2	60.4	60.4	60.6	60.7	60.7	60.7	60.8	60.8	60.9
IV 18000	53.1	58.7	58.9	59.7	60.2	60.2	60.4	60.5	60.5	60.8	60.8	60.8	60.9	60.9	60.9	61.1
IV 16000	53.2	58.9	59.1	59.9	60.4	60.4	60.6	60.7	60.7	61.0	61.0	61.0	61.1	61.1	61.1	61.3
IV 14000	53.2	58.9	59.1	59.9	60.4	60.4	60.6	60.7	60.7	61.0	61.0	61.0	61.1	61.1	61.1	61.3
IV 12000	53.9	59.7	59.9	60.8	61.2	61.3	61.5	61.6	61.6	61.8	61.9	61.9	61.9	62.0	62.0	62.1
IV 10000	55.5	61.6	61.8	62.6	63.0	63.1	63.3	63.4	63.4	63.6	63.7	63.7	63.7	63.8	63.8	63.9
IV 9000	55.7	61.9	62.1	62.9	63.3	63.4	63.6	63.7	63.7	63.9	64.0	64.0	64.0	64.1	64.1	64.2
IV 8000	56.4	62.9	63.2	64.1	64.5	64.6	64.8	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.4
IV 7000	57.6	64.3	64.6	65.4	65.8	65.9	66.1	66.2	66.2	66.5	66.5	66.5	66.6	66.6	66.6	66.8
IV 6000	58.8	65.7	66.0	66.8	67.3	67.4	67.6	67.7	67.7	67.9	68.0	68.0	68.0	68.1	68.1	68.2
IV 5000	60.1	67.4	67.7	68.6	69.1	69.2	69.4	69.5	69.5	69.8	69.8	69.8	69.8	69.9	69.9	70.1
IV 4500	60.9	68.3	68.6	69.6	70.1	70.2	70.3	70.4	70.4	70.7	70.7	70.7	70.8	70.8	70.8	71.0
IV 4000	62.2	70.0	70.3	71.3	71.8	71.9	72.1	72.2	72.2	72.5	72.5	72.5	72.6	72.6	72.6	72.8
IV 3500	63.2	71.3	71.7	72.8	73.2	73.3	73.5	73.6	73.6	73.9	73.9	73.9	74.0	74.0	74.0	74.2
IV 3000	64.9	73.4	74.0	75.1	75.6	75.7	75.8	75.9	76.0	76.3	76.3	76.3	76.4	76.4	76.4	76.6
IV 2500	65.9	75.0	75.6	76.8	77.3	77.5	77.7	77.8	77.9	78.2	78.2	78.2	78.3	78.3	78.3	78.4
IV 2000	67.6	77.2	78.0	79.2	79.8	80.0	80.2	80.3	80.3	80.7	80.7	80.7	80.8	80.8	80.8	81.0
IV 1800	68.2	78.1	78.9	80.2	80.7	80.9	81.1	81.2	81.2	81.6	81.6	81.6	81.7	81.7	81.7	81.9
IV 1500	69.3	79.8	81.2	82.6	83.2	83.4	83.6	83.7	83.8	84.2	84.2	84.2	84.3	84.3	84.3	84.5
IV 1200	70.0	81.4	83.0	84.4	85.2	85.4	85.6	85.9	86.0	86.4	86.5	86.5	86.5	86.5	86.5	86.7
IV 1000	70.3	82.7	84.6	86.1	87.2	87.4	87.6	88.0	88.1	88.5	88.6	88.6	88.6	88.7	88.7	88.8
IV 900	70.5	83.2	85.3	86.9	88.1	88.4	88.6	89.0	89.1	89.5	89.5	89.5	89.6	89.6	89.6	89.8
IV 800	70.6	83.6	85.9	87.5	88.9	89.1	89.6	89.8	89.9	90.5	90.5	90.5	90.6	90.6	90.6	90.8
IV 700	70.6	83.8	86.2	87.9	89.3	89.6	90.4	90.6	90.6	91.2	91.3	91.3	91.3	91.4	91.4	91.5
IV 600	70.6	84.0	86.4	88.1	89.9	90.1	90.9	91.1	91.2	91.9	91.9	91.9	92.1	92.2	92.2	92.3
IV 500	70.6	84.2	86.7	88.8	90.8	91.0	91.9	92.1	92.1	93.0	93.1	93.1	93.4	93.6	93.6	93.7
IV 400	70.6	84.3	86.9	89.2	91.3	91.6	92.7	92.9	93.0	94.1	94.4	94.5	94.7	94.9	94.9	95.0
IV 300	70.6	84.4	87.1	89.4	91.6	91.9	93.1	93.5	93.6	94.8	95.2	95.3	95.6	95.8	95.9	96.1
IV 200	70.6	84.4	87.1	89.4	91.8	92.0	93.3	93.9	94.0	95.3	95.9	96.2	96.5	96.8	97.1	97.3
IV 100	70.6	84.4	87.1	89.4	91.8	92.0	93.3	93.9	94.0	95.4	96.2	96.5	97.1	97.3	98.1	98.5
IV 0	70.6	84.4	87.1	89.4	91.8	92.0	93.3	94.0	94.1	95.5	96.3	96.6	97.3	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2037

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.5	46.5	47.4	48.4	48.9	48.9	49.2	49.3	49.3	49.5	49.6	49.6	49.6	49.6	49.6	49.9
IV 20000	45.4	52.5	53.5	54.8	55.5	55.6	55.9	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.7
IV 18000	45.7	52.7	53.8	55.1	55.8	55.8	56.1	56.2	56.2	56.5	56.6	56.6	56.6	56.6	56.6	57.0
IV 16000	45.7	52.8	53.9	55.2	55.9	55.9	56.2	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	57.0
IV 14500	45.8	53.1	54.1	55.4	56.1	56.2	56.5	56.6	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.3
IV 12000	47.1	54.7	55.8	57.1	57.8	57.9	58.2	58.3	58.3	58.6	58.7	58.7	58.7	58.7	58.7	59.0
IV 10000	49.5	57.3	58.4	59.8	60.6	60.6	60.9	61.0	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.8
IV 9000	49.8	57.9	59.0	60.4	61.1	61.2	61.5	61.6	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.3
IV 8000	51.2	59.3	60.5	62.0	62.7	62.8	63.1	63.2	63.2	63.5	63.6	63.6	63.6	63.6	63.6	64.0
IV 7000	52.6	60.8	62.0	63.6	64.5	64.5	64.9	65.0	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.8
IV 6000	53.7	62.0	63.3	64.8	65.8	65.8	66.2	66.3	66.3	66.6	66.7	66.7	66.7	66.7	66.7	67.1
IV 5000	54.6	63.4	64.7	66.4	67.3	67.4	67.9	68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.8
IV 4500	54.9	63.7	65.1	66.8	67.8	67.8	68.3	68.5	68.5	68.8	68.9	68.9	68.9	68.9	68.9	69.2
IV 4000	55.6	64.8	66.2	68.0	69.0	69.0	69.5	69.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.5
IV 3500	56.3	65.8	67.3	69.0	70.1	70.1	70.6	70.8	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.6
IV 3000	57.7	67.7	69.3	71.1	72.2	72.2	72.8	73.0	73.0	73.4	73.5	73.5	73.5	73.5	73.5	73.9
IV 2500	58.7	69.2	70.8	72.8	73.9	73.9	74.6	74.7	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.6
IV 2000	60.5	72.2	74.0	76.1	77.3	77.4	78.1	78.4	78.4	78.9	79.0	79.0	79.0	79.0	79.0	79.3
IV 1800	60.7	72.6	74.4	76.5	77.8	77.9	78.6	78.9	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.9
IV 1500	62.0	74.2	76.1	78.3	79.8	79.9	80.6	81.0	81.0	81.6	81.7	81.7	81.7	81.7	81.7	82.1
IV 1200	62.7	76.1	78.1	80.6	82.2	82.4	83.2	83.6	83.6	84.2	84.3	84.3	84.3	84.3	84.3	84.7
IV 1000	63.3	77.5	79.9	82.7	84.6	84.8	85.7	86.2	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.3
IV 900	63.4	77.8	80.5	83.5	85.5	85.5	86.6	87.1	87.2	87.8	88.0	88.0	88.0	88.0	88.0	88.3
IV 800	63.6	78.5	81.3	84.3	86.5	86.7	87.8	88.3	88.4	89.1	89.2	89.2	89.2	89.2	89.2	89.6
IV 700	63.6	78.9	81.7	84.9	87.2	87.4	88.7	89.4	89.4	90.1	90.3	90.3	90.3	90.3	90.3	90.7
IV 600	63.7	79.1	82.2	85.5	88.0	88.3	89.8	90.7	90.8	91.6	92.0	92.0	92.0	92.0	92.0	92.6
IV 500	63.7	79.2	82.4	85.8	88.7	88.9	90.6	91.6	91.9	92.8	93.3	93.3	93.3	93.3	93.3	94.0
IV 400	63.7	79.5	82.9	86.3	89.3	89.5	91.4	92.5	92.9	94.1	94.8	94.8	94.8	94.8	94.8	95.6
IV 300	63.7	79.6	83.0	86.4	89.5	89.8	91.7	93.0	93.4	94.8	95.6	95.7	95.7	95.7	95.7	96.7
IV 200	63.7	79.6	83.0	86.4	89.6	89.8	91.8	93.1	93.5	95.1	96.1	96.1	96.1	96.1	96.1	97.8
IV 100	63.7	79.6	83.0	86.4	89.6	89.8	91.8	93.1	93.5	95.1	96.2	96.2	96.2	96.2	96.2	98.7
IV 0	63.7	79.6	83.0	86.4	89.6	89.8	91.8	93.1	93.5	95.2	96.2	96.4	96.4	96.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2284

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

39-45,47-50,56-72  
 YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
 HOURS (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.9	43.5	44.1	44.6	44.8	44.9	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2	45.2
IV 2000	46.2	51.8	52.7	53.3	53.6	53.6	53.7	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.1	54.2
IV 18000	46.4	52.0	52.9	53.5	53.8	53.8	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.3	54.4
IV 16000	46.5	52.3	53.1	53.7	54.0	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.7
IV 14000	46.9	52.9	53.7	54.4	54.7	54.8	54.9	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.4
IV 12000	48.2	54.4	55.2	55.9	56.2	56.2	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.9
IV 10000	50.5	57.3	58.1	58.8	59.1	59.1	59.4	59.5	59.5	59.7	59.7	59.7	59.7	59.8	59.8	60.0
IV 9000	51.3	58.1	58.9	59.6	59.9	60.0	60.2	60.3	60.3	60.5	60.5	60.5	60.6	60.6	60.7	60.8
IV 8000	53.1	60.1	61.0	61.8	62.2	62.3	62.5	62.6	62.6	62.8	62.8	62.8	62.9	62.9	63.0	63.1
IV 7000	54.7	62.0	63.1	63.9	64.2	64.4	64.6	64.8	64.9	65.1	65.1	65.1	65.2	65.2	65.3	65.4
IV 6000	55.3	62.7	64.0	64.8	65.3	65.4	65.8	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.3	66.4
IV 5000	56.4	64.4	65.7	66.5	67.2	67.3	67.7	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.2	68.3
IV 4500	56.9	64.9	66.2	67.0	67.7	67.8	68.3	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.9
IV 4000	57.7	66.0	67.4	68.2	68.9	69.0	69.4	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.9	70.1
IV 3500	58.7	67.1	68.5	69.3	70.1	70.2	70.8	70.9	70.9	71.1	71.1	71.1	71.2	71.2	71.2	71.4
IV 3000	60.0	68.8	70.4	71.2	72.2	72.3	72.9	73.0	73.0	73.3	73.4	73.4	73.4	73.4	73.5	73.7
IV 2500	61.0	70.5	72.1	72.9	73.9	74.0	74.6	74.7	74.7	75.1	75.1	75.1	75.1	75.1	75.2	75.4
IV 2000	62.6	72.7	74.5	75.4	76.5	76.7	77.4	77.6	77.7	78.1	78.2	78.2	78.2	78.2	78.3	78.4
IV 1800	63.0	73.5	75.3	76.2	77.3	77.6	78.3	78.5	78.5	79.0	79.0	79.0	79.1	79.1	79.2	79.3
IV 1500	63.9	75.4	77.3	78.6	79.9	80.1	81.0	81.3	81.3	81.9	81.9	81.9	82.0	82.0	82.1	82.2
IV 1200	64.6	77.3	79.6	81.1	82.5	82.7	83.6	84.0	84.1	84.6	84.7	84.7	84.7	84.7	84.8	85.0
IV 1000	65.1	78.4	81.0	82.6	84.2	84.7	85.8	86.2	86.4	87.0	87.1	87.1	87.2	87.2	87.3	87.4
IV 900	65.1	78.5	81.1	82.9	84.8	85.4	86.7	87.3	87.5	88.2	88.3	88.3	88.3	88.3	88.4	88.6
IV 800	65.2	78.9	81.7	83.4	85.7	86.5	88.0	88.8	89.0	89.9	90.1	90.1	90.2	90.2	90.3	90.4
IV 700	65.3	79.3	82.4	84.3	87.0	88.0	89.7	90.7	90.9	91.8	92.1	92.1	92.2	92.2	92.3	92.5
IV 600	65.3	79.5	82.8	84.7	87.6	88.8	90.7	92.1	92.3	93.3	93.6	93.6	93.8	93.8	93.9	94.0
IV 500	65.3	79.6	83.0	85.0	88.0	89.3	91.6	93.1	93.4	94.5	95.0	95.0	95.4	95.4	95.7	95.8
IV 400	65.4	79.8	83.2	85.2	88.3	89.5	92.1	93.6	94.0	95.3	96.0	96.0	96.6	96.6	96.8	97.0
IV 300	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	96.7	96.8	97.6	97.6	98.0	98.3
IV 200	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.0	98.1	98.7	99.2
IV 100	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.0	98.2	99.0	99.5
IV 0	65.4	79.8	83.2	85.2	88.3	89.6	92.2	93.8	94.2	95.8	97.1	97.2	98.1	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2281

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.4	46.8	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4
IV 20000	52.6	56.9	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
IV 18000	53.0	57.3	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
IV 16000	53.3	57.6	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
IV 14000	53.7	58.1	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
IV 12000	54.9	59.4	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3
IV 10000	56.9	61.7	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 9000	57.6	62.4	62.9	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000	59.3	64.3	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
IV 7000	60.5	65.7	66.4	66.5	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 6000	61.3	66.7	67.4	67.6	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1
IV 5000	62.7	68.1	68.8	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6
IV 4500	63.0	68.8	69.5	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3
IV 4000	64.0	70.2	71.0	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IV 3500	65.2	71.6	72.5	72.9	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 3000	66.5	73.1	74.0	74.5	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.3
IV 2500	68.0	75.2	76.1	76.6	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4
IV 2000	70.5	78.7	79.8	80.4	80.8	80.9	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3
IV 1800	71.0	79.6	80.6	81.3	81.8	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3
IV 1500	71.7	81.1	82.3	83.1	83.7	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3
IV 1200	72.2	83.3	84.8	85.0	86.7	86.9	87.2	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.7
IV 1000	72.7	84.9	86.7	88.1	89.2	89.6	90.0	90.2	90.2	90.5	90.5	90.5	90.5	90.6	90.6	90.6
IV 900	72.8	85.1	87.1	88.7	89.9	90.3	90.7	91.0	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.6
IV 800	72.9	85.3	87.8	89.5	91.0	91.6	92.3	92.6	92.6	93.1	93.3	93.3	93.5	93.5	93.5	93.5
IV 700	73.0	85.5	88.3	90.3	91.9	92.6	93.5	94.0	94.0	94.5	94.7	94.7	95.0	95.0	95.0	95.0
IV 600	73.0	85.6	88.6	90.7	92.6	93.4	94.6	95.1	95.2	95.8	96.2	96.2	96.4	96.4	96.4	96.4
IV 500	73.0	85.8	88.8	91.0	93.1	93.9	95.2	95.8	95.9	96.8	97.5	97.5	97.8	97.8	97.8	97.8
IV 400	73.0	85.8	88.8	91.0	93.1	93.9	95.3	95.9	96.1	97.2	97.9	97.9	98.4	98.4	98.4	98.4
IV 300	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.1	99.1	99.1	99.2
IV 200	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.2	99.3	99.3	99.7
IV 100	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.2	99.4	99.6	99.9
IV 0	73.0	85.8	88.8	91.0	93.1	93.9	95.3	96.0	96.2	97.5	98.4	98.4	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2278

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.7	47.3	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 20000	54.9	58.3	58.8	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 18000	55.3	58.7	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 16000	55.5	58.9	59.3	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	56.1	59.5	60.0	60.0	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 12000	57.5	61.0	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 10000	59.3	62.9	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 9000	59.8	63.6	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 8000	62.0	65.8	66.3	66.4	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 7000	63.4	67.4	68.0	68.0	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 6000	64.7	69.1	69.6	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
IV 5000	66.2	70.8	71.3	71.4	71.8	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500	66.7	71.3	71.9	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6
IV 4000	68.2	73.1	73.7	73.8	74.2	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	68.7	74.0	74.8	74.9	75.3	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
IV 3000	69.7	75.7	76.5	76.6	77.1	77.1	77.2	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5
IV 2500	71.2	77.8	78.6	78.8	79.4	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 2000	73.1	80.9	81.8	82.2	82.9	82.9	83.2	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	73.2	81.3	82.2	82.7	83.3	83.4	83.7	83.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	74.4	83.4	84.4	85.0	85.7	85.8	86.4	86.7	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1200	75.2	85.1	86.5	87.5	88.4	88.6	89.2	89.5	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	75.5	85.8	87.6	88.7	89.8	90.1	90.8	91.3	91.5	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	75.6	86.1	88.1	89.4	90.5	90.9	91.6	92.2	92.4	93.0	93.1	93.1	93.2	93.2	93.2	93.2
IV 800	75.7	86.4	88.9	90.3	91.7	92.1	93.0	93.7	94.0	94.7	95.0	95.0	95.1	95.1	95.1	95.1
IV 700	75.7	86.7	89.3	90.8	92.5	92.9	94.0	94.9	95.1	96.0	96.4	96.4	96.4	96.4	96.4	96.4
IV 600	75.8	86.9	89.5	91.0	93.2	93.7	95.0	95.8	96.1	97.2	97.6	97.6	97.7	97.7	97.7	97.7
IV 500	75.8	86.9	89.5	91.1	93.3	93.8	95.2	96.1	96.4	97.7	98.2	98.2	98.4	98.4	98.4	98.4
IV 400	75.8	86.9	89.5	91.1	93.3	93.8	95.3	96.3	96.7	98.2	98.7	98.7	99.0	99.0	99.0	99.0
IV 300	75.8	86.9	89.5	91.1	93.3	93.8	95.3	96.3	96.7	98.2	98.9	98.9	99.3	99.3	99.3	99.3
IV 200	75.8	86.9	89.5	91.1	93.3	93.8	95.3	96.3	96.7	98.2	98.9	99.0	99.5	99.5	99.7	99.9
IV 100	75.8	86.9	89.5	91.1	93.3	93.8	95.3	96.3	96.7	98.2	98.9	99.0	99.5	99.6	99.8	99.9
IV 0	75.8	86.9	89.5	91.1	93.3	93.8	95.3	96.3	96.7	98.2	98.9	99.0	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2275

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,56-72  
YEARS

FFB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	49.1	51.6	52.0	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 20000	56.2	59.4	60.0	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 18000	56.4	59.7	60.2	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 16000	56.4	59.7	60.2	60.7	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000	56.5	59.7	60.3	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	57.9	61.2	61.9	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 10000	59.8	63.4	64.1	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 9000	60.3	63.9	64.6	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
IV 8000	62.6	66.5	67.2	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 7000	64.5	68.6	69.5	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	65.6	70.0	70.9	71.4	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	66.9	71.7	72.6	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500	67.4	72.2	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
IV 4000	68.5	73.5	74.5	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500	69.4	74.5	75.5	76.2	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 3000	70.4	76.3	77.5	78.3	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2500	71.4	78.1	79.3	80.2	80.5	80.5	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 2000	72.9	80.2	81.5	82.7	83.0	83.0	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 1800	73.2	80.9	82.2	83.4	83.8	83.8	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1500	74.6	82.9	84.4	85.9	86.4	86.4	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1200	75.2	84.2	86.0	87.8	88.3	88.4	89.0	89.1	89.2	89.4	89.5	89.5	89.5	89.5	89.6	89.6
IV 1000	75.8	85.5	88.0	89.9	90.6	90.7	91.4	91.5	91.5	91.9	92.2	92.2	92.2	92.2	92.3	92.3
IV 900	75.8	85.7	88.5	90.7	91.5	91.5	92.3	92.4	92.5	92.5	93.0	93.2	93.2	93.3	93.3	93.3
IV 800	75.9	86.0	89.1	91.5	92.4	92.5	93.3	93.5	93.6	94.2	94.5	94.5	94.6	94.6	94.6	94.6
IV 700	76.0	86.2	89.6	92.1	93.1	93.2	94.2	94.5	94.5	95.3	95.5	95.6	95.6	95.6	95.7	95.7
IV 600	76.0	86.3	89.8	92.3	93.4	93.7	94.9	95.2	95.3	96.2	96.7	96.8	96.8	96.8	96.9	96.9
IV 500	76.0	86.5	90.0	92.6	93.9	94.1	95.5	95.9	95.9	97.1	98.0	98.1	98.2	98.2	98.3	98.3
IV 400	76.0	86.5	90.0	92.7	94.1	94.3	95.8	96.2	96.3	97.7	98.6	98.8	98.9	98.9	99.0	99.0
IV 300	76.0	86.5	90.0	92.7	94.1	94.3	95.8	96.2	96.3	98.1	99.1	99.3	99.4	99.4	99.5	99.5
IV 200	76.0	86.5	90.0	92.7	94.1	94.3	95.8	96.2	96.3	98.1	99.1	99.3	99.6	99.6	99.8	99.8
IV 100	76.0	86.5	90.0	92.7	94.1	94.3	95.8	96.2	96.3	98.1	99.1	99.3	99.6	99.6	99.9	100.0
IV 0	76.0	86.5	90.0	92.7	94.1	94.3	95.8	96.2	96.3	98.1	99.1	99.3	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2118

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-45,48-50,56-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	55.0	55.3	55.5	55.7	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
IV 20000	57.8	60.9	61.3	61.7	61.9	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3
IV 18000	58.1	61.2	61.6	61.9	62.2	62.2	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6
IV 16000	58.2	61.3	61.7	62.0	62.3	62.3	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7
IV 14000	58.2	61.3	61.7	62.1	62.3	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7
IV 12000	59.1	62.5	62.9	63.3	63.5	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
IV 10000	60.6	64.1	64.5	64.9	65.1	65.1	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.5
IV 9000	60.9	64.4	64.8	65.1	65.4	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8
IV 8000	62.4	66.0	66.4	66.8	67.0	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
IV 7000	64.0	68.0	68.4	68.8	69.0	69.0	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4
IV 6000	65.7	70.0	70.4	70.8	71.0	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
IV 5000	67.0	71.6	72.1	72.5	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1
IV 4500	67.4	72.3	72.8	73.2	73.5	73.5	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.9
IV 4000	68.8	74.2	74.8	75.2	75.5	75.5	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9
IV 3500	70.0	75.7	76.3	76.7	77.1	77.1	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.5
IV 3000	70.8	76.9	77.6	78.0	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
IV 2500	72.0	78.8	79.6	80.2	80.5	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9
IV 2000	73.4	81.1	81.9	82.7	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
IV 1800	73.8	81.9	82.7	83.6	84.0	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5
IV 1500	74.6	83.7	84.6	85.5	86.1	86.1	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.7
IV 1200	75.4	85.1	86.3	87.3	88.2	88.2	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.1
IV 1000	75.9	86.2	87.7	89.0	89.9	89.9	90.6	90.7	90.8	91.1	91.2	91.2	91.3	91.3	91.3	91.3
IV 900	76.0	86.5	88.2	89.5	90.6	90.6	91.5	91.6	91.7	92.1	92.2	92.2	92.3	92.3	92.3	92.3
IV 800	76.0	87.0	88.7	90.2	91.4	91.4	92.5	92.7	92.8	93.3	93.4	93.4	93.5	93.5	93.5	93.6
IV 700	76.1	87.2	89.1	90.8	92.4	92.4	93.6	93.9	94.0	94.7	94.9	94.9	95.0	95.0	95.0	95.0
IV 600	76.1	87.3	89.2	91.1	92.9	92.9	94.4	94.8	94.9	95.6	95.9	95.9	96.1	96.1	96.1	96.1
IV 500	76.1	87.5	89.4	91.4	93.5	93.5	95.0	95.5	95.6	96.5	96.8	96.8	97.0	97.0	97.0	97.0
IV 400	76.1	87.6	89.5	91.6	93.8	93.8	95.7	96.2	96.3	97.2	97.6	97.6	97.8	97.8	97.8	97.9
IV 300	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.7	98.2	98.2	98.7	98.7	98.7	98.7
IV 200	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.9	98.5	98.5	98.9	98.9	98.9	99.1
IV 100	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.9	98.5	98.5	99.1	99.1	99.3	99.6
IV 0	76.1	87.6	89.5	91.7	93.9	93.9	95.8	96.3	96.4	97.9	98.5	98.5	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2094

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 29-45,48-50,57-71 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.5	57.2	57.5	57.8	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	58.8	63.1	63.5	63.8	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
IV 18000	59.0	63.3	63.7	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 16000	59.3	63.6	64.0	64.3	64.5	64.5	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	59.7	64.1	64.4	64.8	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 12000	60.4	64.9	65.3	65.6	65.8	65.8	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	62.0	66.7	67.0	67.4	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.9	67.9	67.9
IV 9000	62.9	68.0	68.3	68.7	68.8	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 8000	64.2	69.3	69.7	70.0	70.2	70.2	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5
IV 7000	65.2	70.5	70.9	71.2	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
IV 6000	66.6	71.9	72.3	72.6	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
IV 5000	68.0	74.0	74.4	74.8	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4500	68.5	74.5	75.0	75.4	75.5	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9
IV 4000	69.2	75.7	76.2	76.6	76.7	76.7	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3500	70.1	77.0	77.4	78.1	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6
IV 3000	71.5	78.9	79.5	80.5	80.8	80.8	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IV 2500	72.4	80.1	80.8	81.8	82.1	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6
IV 2000	73.8	82.2	83.0	84.4	84.8	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4
IV 1800	74.1	82.7	83.6	84.9	85.4	85.5	85.7	85.7	85.7	85.9	85.9	85.9	86.0	86.0	86.0	86.0
IV 1500	74.8	84.0	85.1	86.5	87.2	87.3	87.6	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1200	75.7	85.9	87.2	88.7	89.4	89.6	90.0	90.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
IV 1000	76.1	87.2	88.7	90.4	91.5	91.6	92.2	92.4	92.4	92.7	92.8	92.8	92.9	92.9	92.9	92.9
IV 900	76.3	87.6	89.4	91.3	92.3	92.6	93.3	93.6	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	76.5	88.2	90.0	91.9	93.3	93.5	94.5	94.7	94.7	95.3	95.4	95.4	95.4	95.5	95.5	95.5
IV 700	76.5	88.4	90.4	92.3	93.9	94.1	95.3	95.5	95.5	96.1	96.1	96.1	96.3	96.3	96.3	96.3
IV 600	76.5	88.8	90.8	92.8	94.4	94.6	96.1	96.4	96.5	97.1	97.2	97.2	97.3	97.3	97.3	97.3
IV 500	76.5	88.9	91.0	93.1	94.7	94.9	96.8	97.1	97.2	98.1	98.2	98.2	98.4	98.4	98.5	98.5
IV 400	76.5	88.9	91.0	93.1	94.7	95.0	96.8	97.4	97.4	98.6	98.7	98.8	98.8	98.9	99.0	99.1
IV 300	76.5	88.9	91.0	93.1	94.7	95.0	96.8	97.4	97.4	98.7	98.9	98.9	99.2	99.2	99.3	99.3
IV 200	76.5	88.9	91.0	93.1	94.7	95.0	96.8	97.4	97.4	98.7	98.9	98.9	99.0	99.3	99.6	99.6
IV 100	76.5	88.9	91.0	93.1	94.8	95.0	96.9	97.5	97.5	98.8	99.0	99.2	99.5	99.6	99.9	99.9
IV 0	76.5	88.9	91.0	93.1	94.8	95.0	96.9	97.5	97.5	98.8	99.0	99.2	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2282

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	54.8	54.9	55.1	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
IV 20000	54.2	60.3	60.5	60.7	61.3	61.3	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8
IV 18000	54.3	60.4	60.5	60.8	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8
IV 16000	54.3	60.4	60.5	60.8	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8
IV 14000	54.6	60.7	60.9	61.2	61.8	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2
IV 12000	55.3	61.5	61.7	62.0	62.6	62.6	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0
IV 10000	56.6	63.0	63.2	63.5	64.1	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5
IV 9000	57.4	63.9	64.2	64.5	65.1	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.5
IV 8000	58.9	65.9	65.8	66.1	66.7	66.7	66.8	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1
IV 7000	60.2	66.8	67.2	67.4	68.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
IV 6000	61.1	68.1	68.4	68.7	69.3	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8
IV 5000	62.3	70.4	70.9	71.2	71.9	71.9	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4
IV 4500	63.5	71.2	71.7	72.1	72.8	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3
IV 4000	64.5	72.9	73.4	73.9	74.5	74.6	74.7	74.8	74.8	74.8	74.9	74.9	75.0	75.0	75.0	75.0
IV 3500	65.2	73.9	74.3	74.8	75.5	75.5	75.7	75.8	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0
IV 3000	66.5	75.8	76.4	76.9	77.6	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1
IV 2500	67.5	77.2	77.9	78.4	79.2	79.3	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.8
IV 2000	69.4	79.6	80.5	81.3	82.2	82.2	82.5	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
IV 1800	69.8	80.2	81.2	81.9	82.8	82.9	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5
IV 1500	71.4	82.9	83.9	84.7	85.6	85.7	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4
IV 1200	72.2	84.9	86.3	87.4	88.7	88.8	89.4	89.5	89.5	89.8	89.8	89.8	89.8	89.9	89.9	89.9
IV 1000	72.5	86.5	88.2	89.4	90.9	91.0	91.7	91.9	91.9	92.1	92.2	92.2	92.2	92.3	92.3	92.3
IV 900	72.9	87.1	89.1	90.3	91.9	92.0	92.8	93.0	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4
IV 800	73.0	87.5	89.6	90.9	92.6	92.7	93.8	94.1	94.1	94.4	94.4	94.4	94.4	94.5	94.5	94.5
IV 700	73.1	87.6	89.8	91.3	93.2	93.2	94.4	94.8	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.2
IV 600	73.3	88.1	90.3	91.9	94.0	94.1	95.4	95.8	95.8	96.1	96.1	96.2	96.3	96.3	96.3	96.4
IV 500	73.3	88.1	90.4	92.0	94.1	94.2	95.6	96.4	96.5	97.2	97.3	97.3	97.4	97.4	97.4	97.5
IV 400	73.3	88.1	90.4	92.1	94.2	94.4	96.1	96.9	97.0	97.9	98.0	98.0	98.2	98.2	98.2	98.3
IV 300	73.3	88.1	90.4	92.1	94.3	94.4	96.2	97.0	97.2	98.1	98.5	98.5	98.7	98.7	98.8	98.9
IV 200	73.3	88.1	90.4	92.1	94.3	94.4	96.2	97.0	97.2	98.2	98.6	98.6	98.7	98.8	99.1	99.1
IV 100	73.3	88.1	90.4	92.1	94.3	94.5	96.4	97.2	97.3	98.4	98.7	98.7	98.9	99.0	99.5	99.6
IV 0	73.3	88.1	90.4	92.1	94.3	94.5	96.4	97.2	97.3	98.5	98.8	98.9	99.0	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2304

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	38.2	44.2	45.1	45.6	46.2	46.3	46.4	46.5	46.6	46.6	46.6	46.6	46.8	46.8	47.1	
IV 20000	44.0	50.9	51.9	52.6	53.2	53.3	53.5	53.6	53.7	53.7	53.7	53.8	53.9	53.9	54.2	
IV 18000	44.5	51.3	52.4	53.2	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.3	54.4	54.5	54.8	
IV 16000	44.8	51.6	52.6	53.4	54.0	54.2	54.4	54.5	54.5	54.5	54.5	54.6	54.7	54.8	55.1	
IV 14000	45.5	52.4	53.4	54.2	54.8	55.0	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.6	55.9	
IV 12000	47.4	54.5	55.6	56.5	57.1	57.2	57.4	57.5	57.6	57.6	57.6	57.7	57.8	57.8	58.1	
IV 10000	48.9	56.6	57.8	58.7	59.3	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.0	60.1	60.4	
IV 9000	50.4	58.3	59.5	60.4	61.0	61.1	61.3	61.4	61.5	61.5	61.5	61.6	61.7	61.7	62.0	
IV 8000	51.6	59.8	61.1	62.0	62.6	62.7	62.9	63.0	63.1	63.1	63.1	63.2	63.3	63.3	63.6	
IV 7000	53.1	61.6	62.8	63.8	64.5	64.6	64.9	65.0	65.0	65.0	65.0	65.1	65.2	65.3	65.6	
IV 6000	54.2	63.1	64.5	65.6	66.2	66.3	66.7	66.8	66.8	66.8	66.8	66.9	67.0	67.1	67.4	
IV 5000	55.2	64.6	66.0	67.1	68.0	68.1	68.5	68.7	68.7	68.7	68.7	68.8	68.9	69.0	69.3	
IV 4500	55.7	65.1	66.7	67.8	68.7	68.8	69.2	69.4	69.5	69.5	69.5	69.5	69.7	69.7	70.0	
IV 4000	56.8	66.8	68.4	69.5	70.5	70.6	71.0	71.2	71.2	71.2	71.2	71.3	71.4	71.5	71.8	
IV 3500	57.4	68.0	69.6	70.7	71.6	71.8	72.2	72.4	72.4	72.4	72.4	72.5	72.6	72.7	73.0	
IV 3000	58.6	70.0	71.7	72.9	73.8	74.0	74.5	74.7	74.8	74.8	74.8	74.8	75.0	75.1	75.4	
IV 2500	60.5	72.4	74.3	75.6	76.6	76.8	77.3	77.5	77.6	77.6	77.6	77.7	77.9	77.9	78.3	
IV 2000	61.8	74.5	76.8	78.2	79.6	79.8	80.5	80.8	80.8	80.8	80.8	80.9	81.1	81.2	81.5	
IV 1800	62.4	75.3	77.6	79.1	80.4	80.6	81.4	81.6	81.7	81.7	81.7	81.8	82.0	82.0	82.4	
IV 1500	63.5	77.1	79.6	81.1	82.6	82.9	83.6	83.9	84.0	84.0	84.1	84.1	84.3	84.4	84.8	
IV 1200	64.4	79.1	81.8	83.5	85.3	85.6	86.5	86.9	87.0	87.1	87.1	87.2	87.3	87.5	87.9	
IV 1000	64.7	80.4	83.3	85.3	87.6	87.9	88.9	89.4	89.5	89.7	89.8	89.9	90.2	90.2	90.6	
IV 900	64.8	80.9	84.0	86.3	88.7	89.1	90.3	90.8	90.9	91.1	91.3	91.4	91.6	91.7	92.0	
IV 800	64.8	81.7	84.9	87.3	89.8	90.3	91.6	92.2	92.3	92.6	92.7	92.8	93.0	93.1	93.5	
IV 700	64.9	82.0	85.2	87.9	90.5	91.0	92.5	93.2	93.4	93.7	93.9	94.0	94.3	94.3	94.7	
IV 600	64.9	82.1	85.4	88.1	90.8	91.3	92.9	93.7	93.8	94.2	94.5	94.5	94.9	94.9	95.3	
IV 500	64.9	82.1	85.6	88.5	91.3	92.0	93.7	94.8	95.0	95.8	96.1	96.2	96.5	96.5	97.1	
IV 400	64.9	82.2	85.7	88.6	91.6	92.3	94.3	95.4	95.7	96.5	97.0	97.1	97.4	97.5	98.0	
IV 300	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.6	95.9	97.0	97.5	97.7	98.1	98.1	98.9	
IV 200	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.7	95.9	97.1	97.7	97.8	98.3	98.4	99.2	
IV 100	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.7	95.9	97.1	97.7	97.8	98.4	98.4	99.6	
IV 0	64.9	82.2	85.7	88.6	91.7	92.4	94.4	95.7	95.9	97.1	97.7	97.8	98.4	98.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 2511

REF ID: A66888

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-50,96-72 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
 HOURS(LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	40.3	44.2	44.6	45.0	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 18000	48.0	53.1	53.8	54.3	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
IV 14000	48.4	53.5	54.2	54.7	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
IV 10000	52.0	57.7	58.4	59.0	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.6
IV 8000	54.8	60.9	61.8	62.4	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0
IV 6000	57.3	63.9	64.9	65.7	66.1	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.6
IV 4500	59.1	66.0	67.1	67.9	68.4	68.4	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.9
IV 3500	61.2	68.6	69.8	70.8	71.3	71.3	71.5	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9
IV 2500	64.1	72.8	74.1	75.4	76.0	76.0	76.2	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.7
IV 1800	66.9	76.7	78.6	80.0	80.9	81.1	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.9
IV 1200	68.8	81.2	84.1	85.8	87.1	87.5	87.9	88.3	88.4	88.6	88.7	88.7	88.8	88.8	88.8	88.9
IV 900	69.0	82.5	85.9	88.2	90.2	90.6	91.2	92.0	92.0	92.3	92.5	92.6	92.7	92.7	92.8	92.8
IV 700	69.1	83.1	86.8	89.6	92.2	92.7	93.7	94.6	94.8	95.1	95.4	95.5	95.6	95.6	95.7	95.8
IV 500	69.1	83.3	87.1	90.0	92.8	93.4	94.8	95.9	96.1	96.7	97.2	97.3	97.6	97.6	97.8	97.9
IV 300	69.1	83.3	87.2	90.2	93.1	93.8	95.2	96.5	96.7	97.3	97.9	98.0	98.3	98.4	98.5	98.6
IV 200	69.1	83.3	87.2	90.2	93.1	93.8	95.4	96.7	97.0	97.8	98.4	98.5	99.0	99.1	99.3	99.6
IV 100	69.1	83.3	87.2	90.2	93.1	93.8	95.4	96.7	97.0	97.8	98.6	98.6	99.2	99.3	99.5	100.0
IV 0	69.1	83.3	87.2	90.2	93.1	93.8	95.4	96.7	97.0	97.8	98.6	98.6	99.2	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2502

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEAR

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (ST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	1	¾	¾	½	≥ 5/16	¼	≥ 0
NO CEILING	40.1	42.1	42.2	42.6	42.8	42.8	42.9	43.0	43.0	43.2	43.2	43.2	43.3	43.3	43.3	43.3
≥ 20000	48.4	51.8	52.0	52.5	52.7	52.7	52.8	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.3
IV 18000	49.7	53.1	53.3	53.8	54.0	54.0	54.1	54.2	54.2	54.3	54.4	54.4	54.5	54.5	54.5	54.6
IV 16000	49.9	53.2	53.5	54.0	54.2	54.2	54.3	54.4	54.4	54.6	54.6	54.6	54.8	54.8	54.8	54.8
IV 14000	50.5	53.9	54.0	54.6	54.8	54.8	54.8	55.0	55.0	55.1	55.1	55.1	55.3	55.3	55.3	55.3
IV 12000	51.7	55.3	55.5	56.0	56.2	56.2	56.3	56.4	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.8
IV 10000	53.3	57.0	57.2	57.8	58.0	58.0	58.0	58.2	58.2	58.3	58.3	58.3	58.5	58.5	58.5	58.5
IV 9000	54.4	58.2	58.4	59.0	59.2	59.2	59.2	59.4	59.4	59.5	59.5	59.5	59.7	59.7	59.7	59.7
IV 8000	56.1	60.2	60.5	61.1	61.3	61.3	61.3	61.5	61.5	61.6	61.6	61.6	61.8	61.8	61.8	61.8
IV 7000	57.8	62.1	62.5	63.1	63.3	63.3	63.3	63.5	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.9
IV 6000	58.6	63.5	63.8	64.2	64.4	64.4	64.5	64.6	64.6	64.7	64.8	64.8	64.9	64.9	64.9	65.0
IV 5000	60.5	65.4	65.8	66.4	66.6	66.6	66.7	66.8	66.8	66.9	67.0	67.0	67.1	67.1	67.1	67.2
IV 4500	61.0	65.9	66.3	66.9	67.1	67.1	67.2	67.4	67.4	67.5	67.6	67.6	67.7	67.7	67.7	67.8
IV 4000	62.5	67.9	68.4	69.0	69.2	69.2	69.4	69.6	69.6	69.7	69.8	69.8	69.9	69.9	69.9	70.0
IV 3500	64.0	69.6	70.2	70.9	71.2	71.2	71.3	71.5	71.5	71.7	71.7	71.7	71.9	71.9	71.9	71.9
IV 3000	66.6	73.1	73.8	74.5	74.8	74.8	75.0	75.2	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.7
IV 2500	69.4	76.7	77.4	78.3	78.6	78.6	78.8	79.0	79.1	79.3	79.3	79.3	79.5	79.5	79.5	79.5
IV 2000	72.3	80.8	82.1	83.2	83.6	83.6	83.9	84.1	84.1	84.3	84.4	84.4	84.5	84.5	84.5	84.6
IV 1800	72.9	81.7	83.1	84.4	84.8	84.8	85.1	85.4	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.9
IV 1500	73.4	83.6	85.5	86.9	87.3	87.4	87.9	88.1	88.2	88.5	88.5	88.5	88.7	88.7	88.7	88.7
IV 1200	74.0	85.4	87.6	89.4	90.1	90.1	90.7	91.0	91.1	91.5	91.5	91.5	91.7	91.7	91.7	91.7
IV 1000	74.1	86.1	88.9	91.1	92.1	92.3	92.9	93.5	93.5	93.9	94.0	94.0	94.2	94.2	94.2	94.3
IV 900	74.2	86.5	89.3	91.5	92.7	92.9	93.5	94.2	94.3	94.7	94.8	94.8	95.0	95.0	95.0	95.1
IV 800	74.2	86.7	89.6	91.9	93.2	93.4	94.2	94.9	94.9	95.5	95.7	95.7	95.9	95.9	95.9	95.9
IV 700	74.3	86.9	89.8	92.3	93.8	94.1	95.1	95.9	96.0	96.6	96.8	96.8	97.0	97.0	97.0	97.0
IV 600	74.3	87.0	89.9	92.6	94.2	94.5	95.5	96.4	96.6	97.2	97.4	97.4	97.7	97.8	97.8	97.9
IV 500	74.3	87.0	90.0	92.7	94.3	94.7	95.8	96.8	97.0	97.7	98.1	98.2	98.5	98.6	98.8	98.8
IV 400	74.3	87.0	90.1	92.8	94.5	94.9	96.1	97.1	97.4	98.1	98.5	98.6	98.9	99.0	99.2	99.2
IV 300	74.3	87.0	90.1	92.9	94.5	94.9	96.1	97.2	97.5	98.3	98.7	98.8	99.1	99.3	99.4	99.5
IV 200	74.3	87.0	90.1	92.9	94.6	95.0	96.2	97.4	97.6	98.4	98.8	98.9	99.3	99.5	99.6	99.8
IV 100	74.3	87.0	90.1	92.9	94.6	95.0	96.3	97.4	97.6	98.4	98.9	99.0	99.4	99.6	99.8	100.0
IV 0	74.3	87.0	90.1	92.9	94.6	95.0	96.3	97.4	97.6	98.4	98.9	99.0	99.4	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2493

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.8	43.3	43.4	43.5	43.6	43.6	43.6	43.8	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 20000	49.4	52.9	53.4	53.6	53.6	53.6	53.7	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	49.9	53.3	53.8	54.0	54.1	54.1	54.1	54.2	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 16000	50.0	53.6	54.0	54.2	54.3	54.3	54.4	54.5	54.5	54.9	54.9	54.9	55.0	55.0	55.0	55.0
IV 14000	50.5	54.1	54.6	54.8	54.8	54.8	54.9	55.0	55.0	55.4	55.4	55.4	55.5	55.5	55.5	55.5
IV 12000	51.8	55.6	56.1	56.3	56.4	56.4	56.4	56.5	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 10000	53.6	57.4	57.9	58.1	58.2	58.2	58.2	58.3	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 9000	54.3	58.3	58.8	59.0	59.1	59.1	59.1	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	56.0	60.3	60.8	61.1	61.2	61.2	61.2	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 7000	57.6	62.1	62.6	63.0	63.2	63.2	63.2	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 6000	58.6	63.3	63.9	64.2	64.4	64.4	64.5	64.6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 5000	60.3	65.5	66.2	66.6	66.8	66.8	66.9	67.0	67.0	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4500	61.2	66.8	67.5	67.9	68.1	68.1	68.2	68.3	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4000	63.4	69.4	70.1	70.6	70.8	70.8	70.9	71.0	71.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 3500	65.2	71.7	72.6	73.0	73.2	73.2	73.4	73.5	73.5	73.9	73.9	73.9	74.0	74.0	74.0	74.0
IV 3000	68.2	75.1	75.1	76.7	76.9	76.9	77.1	77.2	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	70.5	78.2	79.3	80.3	80.6	80.6	80.7	80.9	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2000	72.6	81.5	83.0	84.0	84.4	84.4	84.6	84.8	84.8	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	73.1	82.4	84.3	85.4	85.8	85.8	86.1	86.3	86.3	86.8	86.8	86.8	86.9	86.9	86.9	86.9
IV 1500	73.7	84.3	86.4	87.6	88.1	88.1	88.6	88.8	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1200	73.9	85.3	87.8	89.4	90.0	90.0	90.6	90.9	91.0	91.5	91.5	91.5	91.6	91.6	91.6	91.6
IV 1000	74.0	86.1	89.0	90.7	91.6	91.6	92.6	92.9	93.0	93.5	93.5	93.5	93.6	93.6	93.6	93.6
IV 900	74.1	86.4	89.4	91.1	92.0	92.0	93.1	93.6	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	74.2	86.7	89.9	91.7	92.8	93.1	94.2	94.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 700	74.2	86.9	90.1	92.1	93.5	93.7	94.9	95.5	95.5	96.2	96.4	96.4	96.5	96.5	96.5	96.5
IV 600	74.2	87.1	90.4	92.5	94.1	94.5	95.7	96.3	96.5	97.1	97.5	97.6	97.8	97.8	97.8	97.8
IV 500	74.2	87.1	90.6	92.6	94.3	94.7	96.1	97.0	97.1	98.0	98.5	98.7	99.0	99.0	99.1	99.1
IV 400	74.2	87.1	90.6	92.6	94.4	94.7	96.2	97.2	97.3	98.2	98.8	99.0	99.3	99.3	99.4	99.4
IV 300	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.5	99.1	99.2	99.6	99.6	99.7	99.8
IV 200	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.6	99.2	99.3	99.7	99.7	99.8	99.9
IV 100	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.6	99.2	99.3	99.7	99.7	99.8	100.0
IV 0	74.2	87.1	90.6	92.6	94.4	94.7	96.4	97.3	97.5	98.6	99.2	99.3	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2489

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,56-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	46.6	50.5	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 20000	53.9	58.4	58.8	59.0	59.1	59.2	59.2	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 18000	54.4	59.0	59.4	59.6	59.7	59.8	59.8	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	54.5	59.1	59.4	59.6	59.7	59.8	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	55.0	59.7	60.1	60.3	60.4	60.5	60.5	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	56.0	61.1	61.4	61.7	61.7	61.8	61.9	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	57.3	62.5	62.9	63.1	63.2	63.3	63.3	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	58.1	63.5	63.9	64.1	64.2	64.2	64.3	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 8000	59.7	65.4	65.8	66.0	66.1	66.2	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 7000	60.9	67.0	67.4	67.7	67.8	67.9	67.9	68.0	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	62.6	69.0	69.4	69.7	69.8	69.8	69.9	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	63.8	70.6	71.2	71.5	71.7	71.8	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500	64.6	71.5	72.0	72.4	72.5	72.6	72.7	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	66.5	73.7	74.3	74.6	74.8	74.9	74.9	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4
IV 3500	67.4	75.0	75.6	76.0	76.2	76.2	76.3	76.5	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	69.4	78.0	78.7	79.3	79.6	79.6	79.7	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2
IV 2500	70.8	80.1	81.1	81.8	82.1	82.2	82.3	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000	71.8	82.6	84.0	84.8	85.2	85.4	85.5	85.7	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800	72.2	83.5	84.9	85.8	86.3	86.4	86.6	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	73.1	85.3	87.0	88.2	88.7	88.8	89.1	89.4	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9
IV 1200	73.3	86.4	88.4	89.6	90.4	90.5	91.0	91.3	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	73.7	87.2	89.2	90.5	91.4	91.5	92.1	92.6	92.8	93.4	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	73.8	87.5	89.6	91.0	92.1	92.3	92.9	93.5	93.7	94.3	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	73.8	87.8	90.1	91.5	92.8	93.0	93.8	94.5	94.8	95.4	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	73.9	88.1	90.3	91.9	93.2	93.4	94.1	95.0	95.3	95.9	96.3	96.3	96.3	96.3	96.3	96.3
IV 600	74.0	88.3	90.7	92.3	93.8	94.1	95.1	96.2	96.4	97.2	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	74.1	88.4	90.9	92.6	94.2	94.6	95.6	96.7	97.0	98.0	98.6	98.7	98.8	98.8	98.8	98.8
IV 400	74.1	88.5	90.9	92.6	94.3	94.6	95.7	96.8	97.2	98.2	98.8	98.9	99.2	99.3	99.4	99.4
IV 300	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.4	99.5	99.6	99.6
IV 200	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.6	99.7	99.9	99.9
IV 100	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.6	99.8	100.0	100.0
IV 0	74.1	88.5	90.9	92.6	94.3	94.6	95.8	96.9	97.3	98.3	99.0	99.1	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2324

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,56-72  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	53.9	57.8	58.1	58.1	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 20000	59.1	63.6	63.9	64.0	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	59.5	64.0	64.3	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	59.7	64.1	64.4	64.5	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 14000	59.7	64.3	64.6	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	60.5	65.3	65.6	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	62.1	67.0	67.3	67.4	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 9000	62.9	68.0	68.3	68.4	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000	63.9	69.0	69.3	69.4	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 7000	65.0	70.3	70.6	70.7	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 6000	66.7	72.0	72.3	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 5000	67.9	73.5	73.9	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	68.4	74.2	74.6	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 4000	69.4	75.7	76.1	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500	70.1	76.7	77.2	77.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3000	71.6	79.1	79.8	80.1	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500	72.7	81.0	81.8	82.1	82.5	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	74.0	82.9	84.0	84.4	85.1	85.1	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1800	74.5	83.7	85.0	85.5	86.1	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 1500	75.9	85.8	87.4	87.8	88.7	88.8	89.2	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1200	76.2	87.1	89.0	89.5	90.8	90.9	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1000	76.7	88.1	90.3	91.1	92.6	92.7	93.7	94.0	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 900	76.7	88.5	90.8	91.6	93.1	93.2	94.3	94.5	94.6	94.9	95.0	95.0	95.1	95.1	95.1	95.1
IV 800	76.8	88.8	91.3	92.1	93.8	93.9	95.0	95.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9
IV 700	76.9	89.0	91.4	92.4	94.1	94.2	95.5	96.0	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	76.9	89.2	91.7	92.7	94.5	94.6	96.1	96.7	96.7	97.3	97.5	97.5	97.6	97.6	97.6	97.6
IV 500	76.9	89.2	91.8	92.8	94.8	94.9	96.7	97.5	97.6	98.6	99.0	99.0	99.0	99.1	99.1	99.1
IV 400	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.8	99.3	99.3	99.3	99.5	99.5	99.5
IV 300	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.4	99.5	99.7	99.7
IV 200	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.4	99.5	99.7	99.7
IV 100	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.4	99.5	99.7	99.7
IV 0	76.9	89.2	91.8	92.9	94.8	94.9	96.8	97.6	97.7	98.9	99.4	99.4	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2303

STANDARD MODEL BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-71  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.7	57.8	58.2	58.5	58.7	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.2
IV 20000	61.8	66.1	66.5	66.7	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6
IV 18000	62.1	66.4	66.8	67.0	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9
IV 16000	62.1	66.4	66.8	67.0	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9
IV 14000	62.4	66.7	67.1	67.4	67.8	67.8	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.3
IV 12000	64.1	68.6	69.0	69.3	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.2
IV 10000	65.9	71.0	71.4	71.7	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.6
IV 9000	66.6	71.9	72.3	72.5	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.4
IV 8000	68.4	73.8	74.2	74.4	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.4
IV 7000	69.8	75.4	76.0	76.3	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.3
IV 6000	71.3	77.1	77.7	78.1	78.5	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	79.0
IV 5000	73.0	79.9	80.5	81.0	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0
IV 4500	73.6	81.0	81.6	82.1	82.6	82.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.1
IV 4000	74.2	82.1	82.8	83.4	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.6
IV 3500	74.7	82.6	83.4	84.0	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.2
IV 3000	75.5	83.9	84.7	85.5	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.8
IV 2500	76.6	85.3	86.4	87.2	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6
IV 2000	77.9	87.2	88.4	89.3	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.7
IV 1800	78.4	87.8	89.1	89.9	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.3
IV 1500	78.9	88.8	90.1	91.0	92.0	92.0	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.6
IV 1200	79.7	90.5	91.8	92.8	94.0	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.7
IV 1000	80.0	91.5	93.0	94.0	95.3	95.3	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.1
IV 900	80.2	92.0	93.5	94.6	96.0	96.0	96.4	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.9
IV 800	80.2	92.2	93.7	94.9	96.4	96.4	96.8	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.3
IV 700	80.3	92.5	94.1	95.4	96.9	97.0	97.4	97.4	97.5	97.7	97.9	97.9	97.9	97.9	97.9	98.1
IV 600	80.3	92.6	94.2	95.6	97.3	97.3	97.7	97.7	98.0	98.1	98.3	98.5	98.5	98.6	98.6	98.8
IV 500	80.3	92.6	94.2	95.8	97.5	97.6	98.3	98.3	98.5	98.6	98.8	99.1	99.1	99.2	99.2	99.3
IV 400	80.3	92.6	94.2	95.9	97.7	97.8	98.5	98.5	98.7	98.8	99.1	99.3	99.3	99.4	99.4	99.6
IV 300	80.3	92.6	94.3	95.9	97.8	97.9	98.6	98.6	98.8	98.9	99.2	99.4	99.4	99.6	99.6	99.8
IV 200	80.3	92.7	94.4	96.0	97.9	97.9	98.7	98.7	98.9	99.0	99.3	99.6	99.6	99.8	99.8	100.0
IV 100	80.3	92.7	94.4	96.0	97.9	97.9	98.7	98.7	98.9	99.0	99.3	99.6	99.6	99.8	99.8	100.0
IV 0	80.3	92.7	94.4	96.0	97.9	97.9	98.7	98.7	98.9	99.0	99.3	99.6	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-43,48-30,57-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	48.4	53.1	53.6	53.8	54.1	54.1	54.3	54.4	54.4	54.7	54.8	54.8	54.9	54.9	55.1	55.2
IV 20500	55.7	61.0	61.5	61.7	62.1	62.1	62.3	62.4	62.4	62.7	62.8	62.8	62.9	62.9	63.1	63.2
IV 18000	55.9	61.2	61.6	61.9	62.3	62.3	62.5	62.6	62.6	62.8	63.0	63.0	63.1	63.1	63.3	63.4
IV 16000	56.2	61.5	61.9	62.1	62.5	62.5	62.8	62.9	62.9	63.1	63.3	63.3	63.4	63.4	63.6	63.7
IV 14000	56.3	61.5	62.0	62.2	62.6	62.6	62.9	63.0	63.0	63.2	63.4	63.4	63.5	63.5	63.6	63.8
IV 12000	58.0	63.4	63.8	64.0	64.4	64.4	64.4	64.7	64.8	64.8	65.0	65.2	65.2	65.3	65.3	65.6
IV 10000	59.6	65.2	65.6	65.8	66.2	66.2	66.5	66.6	66.6	66.8	67.0	67.0	67.1	67.1	67.2	67.4
IV 9000	60.3	66.1	66.6	66.8	67.2	67.2	67.5	67.6	67.6	67.8	68.0	68.0	68.0	68.0	68.2	68.4
IV 8000	62.3	68.5	69.1	69.3	69.7	69.7	70.0	70.0	70.0	70.3	70.4	70.4	70.5	70.5	70.7	70.9
IV 7000	63.7	70.3	70.9	71.1	71.5	71.5	71.7	71.8	71.8	72.1	72.2	72.2	72.3	72.3	72.5	72.6
IV 6000	65.5	72.5	73.0	73.2	73.6	73.6	73.9	74.0	74.0	74.2	74.4	74.4	74.5	74.5	74.6	74.8
IV 5000	66.5	74.5	75.1	75.4	75.8	75.8	76.1	76.2	76.2	76.4	76.6	76.6	76.7	76.7	76.9	77.0
IV 4500	67.2	75.6	76.4	76.7	77.1	77.1	77.3	77.4	77.4	77.7	77.8	77.8	77.9	77.9	78.1	78.2
IV 4000	68.7	77.7	78.6	78.9	79.4	79.4	79.6	79.7	79.7	80.0	80.2	80.2	80.2	80.2	80.4	80.6
IV 3500	69.2	78.2	79.2	79.6	80.1	80.1	80.3	80.4	80.4	80.7	80.9	80.9	81.0	81.0	81.1	81.3
IV 3000	70.2	79.9	80.9	81.4	81.8	81.8	82.1	82.2	82.2	82.5	82.6	82.6	82.7	82.7	82.9	83.0
IV 2500	70.9	81.1	82.3	82.9	83.5	83.5	83.8	83.8	83.8	84.2	84.3	84.3	84.4	84.4	84.6	84.7
IV 2000	72.8	83.4	84.7	85.4	86.1	86.1	86.3	86.4	86.4	86.7	86.9	86.9	87.0	87.0	87.2	87.3
IV 1800	73.2	83.9	85.3	86.0	86.6	86.6	86.9	87.0	87.0	87.3	87.5	87.5	87.6	87.6	87.8	87.9
IV 1500	74.3	85.7	87.2	87.9	88.6	88.6	88.9	89.0	89.0	89.3	89.5	89.5	89.5	89.5	89.7	89.9
IV 1200	75.3	87.9	89.6	90.4	91.2	91.2	91.5	91.6	91.6	91.9	92.1	92.1	92.2	92.2	92.3	92.5
IV 1000	75.6	88.9	90.7	91.7	92.6	92.6	93.0	93.1	93.1	93.4	93.6	93.6	93.7	93.7	93.9	94.0
IV 900	75.8	89.3	91.3	92.3	93.1	93.1	93.5	93.6	93.6	93.9	94.2	94.2	94.3	94.3	94.5	94.6
IV 800	75.9	89.8	91.9	93.0	93.9	93.9	94.3	94.4	94.4	94.7	95.0	95.0	95.1	95.1	95.3	95.4
IV 700	76.0	90.3	92.6	93.7	94.7	94.7	95.3	95.5	95.5	95.9	96.2	96.2	96.3	96.3	96.4	96.6
IV 600	76.0	90.7	93.0	94.4	95.6	95.6	96.4	96.6	96.6	97.0	97.3	97.3	97.4	97.4	97.6	97.7
IV 500	76.0	90.7	93.1	94.7	95.9	95.9	96.7	97.0	97.0	97.4	97.7	97.7	97.9	97.9	98.0	98.2
IV 400	76.0	90.8	93.1	94.8	96.3	96.3	97.1	97.4	97.4	98.0	98.3	98.3	98.5	98.5	98.7	98.8
IV 300	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.6	98.2	98.5	98.5	98.8	98.8	99.0	99.1
IV 200	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.6	98.2	98.8	98.8	99.1	99.1	99.2	99.4
IV 100	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.6	98.3	98.8	98.8	99.1	99.1	99.4	99.6
IV 0	76.0	90.8	93.2	94.8	96.4	96.4	97.2	97.6	97.6	98.3	98.8	98.8	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

39-45,47-50,56-72  
 YEARS

APR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES):																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	35.3	40.6	41.8	42.5	42.8	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.5	43.7
≥ 20000	44.8	50.9	52.2	53.0	53.3	53.4	53.6	53.8	53.8	53.8	53.9	53.9	54.0	54.0	54.1	54.3	
IV 18000	45.1	51.3	52.5	53.3	53.6	53.7	53.9	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.6
IV 16000	45.2	51.4	52.7	53.5	53.8	53.9	54.1	54.3	54.3	54.3	54.4	54.4	54.5	54.5	54.6	54.7	
IV 14000	45.7	52.0	53.4	54.2	54.6	54.7	54.9	55.0	55.0	55.1	55.2	55.2	55.2	55.3	55.4	55.5	
IV 12000	46.9	53.6	54.9	55.7	56.1	56.2	56.4	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.9	57.1	
IV 10000	49.5	56.8	58.2	59.0	59.5	59.6	59.8	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.3	60.5	
IV 9000	50.5	57.8	59.3	60.1	60.6	60.7	60.9	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.6	
IV 8000	53.7	61.3	62.9	63.9	64.4	64.4	64.7	64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.2	65.3	
IV 7000	55.4	63.6	65.5	66.5	67.0	67.1	67.3	67.5	67.5	67.6	67.8	67.8	67.8	67.8	68.0	68.1	
IV 6000	57.1	65.6	67.6	68.6	69.1	69.2	69.4	69.6	69.6	69.8	70.0	70.0	70.0	70.1	70.2	70.4	
IV 5000	58.5	67.6	69.7	70.8	71.4	71.4	71.7	71.8	71.8	72.0	72.3	72.3	72.3	72.3	72.5	72.6	
IV 4500	59.1	68.5	70.6	71.7	72.4	72.5	72.7	72.9	72.9	73.1	73.3	73.3	73.4	73.4	73.5	73.7	
IV 4000	60.8	70.9	73.2	74.5	75.3	75.4	75.7	75.8	75.8	76.0	76.2	76.2	76.3	76.3	76.4	76.6	
IV 3500	61.2	71.5	73.8	75.0	75.9	75.9	76.2	76.4	76.4	76.6	76.8	76.8	76.8	76.9	77.0	77.2	
IV 3000	62.3	73.0	75.5	76.9	77.9	77.9	78.3	78.4	78.4	78.6	78.8	78.8	78.9	78.9	79.1	79.2	
IV 2500	63.4	75.0	77.6	79.0	80.3	80.4	80.8	80.9	80.9	81.1	81.3	81.3	81.4	81.4	81.5	81.7	
IV 2000	65.2	77.5	80.2	81.3	83.1	83.3	83.7	83.8	83.8	84.0	84.2	84.2	84.3	84.3	84.5	84.6	
IV 1800	65.7	78.0	80.8	82.4	83.8	84.0	84.4	84.6	84.6	84.7	85.0	85.0	85.0	85.1	85.2	85.4	
IV 1500	67.1	80.1	83.1	85.0	86.4	86.6	87.1	87.2	87.2	87.4	87.7	87.7	87.7	87.8	87.9	88.1	
IV 1200	67.9	82.0	85.1	87.2	88.8	89.0	89.5	89.7	89.7	89.9	90.1	90.1	90.2	90.2	90.3	90.5	
IV 1000	68.5	83.3	86.7	89.1	90.9	91.1	91.7	91.9	91.9	92.1	92.3	92.3	92.4	92.4	92.6	92.7	
IV 800	68.9	83.9	87.3	89.8	91.7	91.9	92.4	92.7	92.7	92.9	93.2	93.2	93.2	93.2	93.4	93.5	
IV 700	69.0	84.8	88.3	90.9	93.1	93.3	93.9	94.2	94.2	94.5	94.8	94.8	94.9	94.9	95.0	95.2	
IV 600	69.1	85.4	89.2	91.9	94.3	94.6	95.4	95.8	95.9	96.1	96.4	96.4	96.6	96.6	96.8	97.0	
IV 500	69.1	85.5	89.5	92.5	94.9	95.3	96.4	96.9	97.0	97.4	97.7	97.7	97.9	98.0	98.2	98.3	
IV 400	69.1	85.5	89.5	92.5	95.0	95.5	96.7	97.3	97.4	97.8	98.2	98.2	98.4	98.4	98.6	98.8	
IV 300	69.1	85.6	89.6	92.6	95.1	95.7	96.9	97.5	97.6	98.0	98.4	98.4	98.7	98.8	99.1	99.3	
IV 200	69.1	85.6	89.6	92.6	95.1	95.7	97.0	97.5	97.7	98.1	98.5	98.5	98.9	98.9	99.2	99.4	
IV 100	69.1	85.6	89.6	92.6	95.1	95.7	97.0	97.5	97.7	98.1	98.5	98.5	98.9	98.9	99.3	99.5	
IV 0	69.1	85.6	89.6	92.6	95.1	95.7	97.0	97.5	97.7	98.1	98.5	98.5	98.9	98.9	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 2444

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION EORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 YEA 3 APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/3	≥ 1/4	≥ 0	
NO CEILING	41.2	44.1	44.3	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	48.9	52.7	53.0	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6
IV 18000	49.1	53.1	53.4	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0
IV 16000	49.3	53.2	53.5	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 14000	49.9	54.0	54.3	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9
IV 12000	51.1	55.3	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3
IV 10000	53.1	57.5	57.9	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6
IV 9000	53.7	58.3	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.4	59.4	59.4
IV 8000	56.5	61.3	61.7	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5
IV 7000	57.7	63.1	63.5	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5
IV 6000	59.0	64.7	65.1	65.7	65.8	65.8	66.0	66.0	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2
IV 5000	60.6	66.6	67.4	67.9	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4
IV 4500	61.5	67.6	68.4	69.0	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5
IV 4000	63.8	70.4	71.3	71.9	72.1	72.1	72.3	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.5
IV 3500	64.9	71.9	72.8	73.4	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1
IV 3000	66.8	74.3	75.3	75.9	76.2	76.2	76.4	76.4	76.4	76.4	76.5	76.5	76.6	76.6	76.6	76.6
IV 2500	69.1	77.3	78.5	79.2	79.4	79.4	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9	79.9	79.9
IV 2000	71.9	81.2	82.7	83.8	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
IV 1800	72.4	82.0	83.8	84.8	85.1	85.1	85.3	85.4	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6
IV 1500	73.6	84.2	86.2	87.5	87.9	87.9	88.2	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5
IV 1200	74.5	86.4	88.6	90.3	90.8	90.9	91.2	91.5	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.7
IV 1000	75.0	87.8	90.3	92.2	93.0	93.1	93.5	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0
IV 900	75.2	88.1	90.8	92.8	93.8	93.9	94.4	94.7	94.7	94.7	94.8	94.8	95.0	95.0	95.0	95.0
IV 800	75.4	88.8	91.6	93.8	95.1	95.3	95.9	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5
IV 700	75.4	89.1	92.1	94.4	96.0	96.3	96.9	97.2	97.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7
IV 600	75.4	89.3	92.3	94.7	96.3	96.7	97.5	97.9	98.0	98.2	98.4	98.4	98.6	98.6	98.6	98.6
IV 500	75.4	89.3	92.5	95.0	96.7	97.1	98.1	98.5	98.6	98.6	99.1	99.2	99.2	99.4	99.4	99.4
IV 400	75.4	89.3	92.5	95.0	96.7	97.1	98.1	98.6	98.7	98.7	99.2	99.4	99.4	99.6	99.6	99.6
IV 300	75.4	89.3	92.5	95.0	96.7	97.1	98.2	98.7	98.8	98.8	99.3	99.6	99.6	99.9	99.9	99.9
IV 200	75.4	89.3	92.5	95.0	96.7	97.1	98.2	98.7	98.8	98.8	99.3	99.6	99.6	99.9	99.9	99.9
IV 100	75.4	89.3	92.5	95.0	96.7	97.1	98.2	98.7	98.8	98.8	99.3	99.6	99.6	100.0	100.0	100.0
IV 0	75.4	89.3	92.5	95.0	96.7	97.1	98.2	98.7	98.8	98.8	99.3	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2456

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	44.1	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 20000	53.7	56.2	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 18000	54.0	56.8	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	54.1	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	54.8	57.5	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 12000	56.4	59.2	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 10000	57.7	60.8	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 9000	58.5	61.7	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 8000	60.8	64.3	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 7000	61.4	65.2	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 6000	62.5	66.4	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 5000	64.1	68.5	69.1	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 4500	65.1	69.6	70.2	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 4000	67.3	72.7	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3500	69.2	74.7	75.4	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	72.5	78.7	79.6	79.9	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	75.2	82.2	83.1	83.5	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	78.1	86.1	87.3	87.9	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	78.4	86.6	87.9	88.6	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	79.4	88.1	89.6	90.6	90.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1200	80.1	89.8	91.5	92.6	93.2	93.3	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000	80.5	90.6	92.4	93.7	94.6	94.6	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	80.7	91.2	93.1	94.7	95.7	95.8	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 800	80.8	91.7	93.6	95.4	96.6	96.8	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	80.8	91.7	93.7	95.5	96.9	97.1	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	80.8	91.7	93.8	95.9	97.4	97.6	98.4	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	80.8	91.7	93.9	96.0	97.5	97.7	98.6	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	80.8	91.7	93.9	96.0	97.5	97.7	98.7	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2447

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION    FORT RILEY KANSAS/MARSHALL AAF STATION NAME    39-45,47-50,56-72 YEARS    APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.5	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
18000 16000	55.2	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
14000 12000	56.4	59.0	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
10000 9000	59.3	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
8000 7000	60.1	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
6000 5000	62.6	65.5	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
4500 4000	64.9	68.6	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
3500 3000	66.8	71.0	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
2500 2000	68.2	72.4	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
1800 1500	70.9	75.9	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
1200 1000	73.3	78.8	79.5	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
900 800	76.2	82.3	83.2	83.5	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
700 600	78.3	84.8	85.9	86.1	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
500 400	80.1	87.4	88.4	88.8	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
300 200	80.5	88.2	89.4	89.7	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5
100 0	81.2	89.7	90.9	91.4	92.1	92.1	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
	81.7	90.9	92.2	92.9	93.6	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
	82.1	91.9	93.4	94.2	95.0	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	82.2	92.1	93.7	94.7	95.5	95.5	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	82.4	92.7	94.7	95.9	97.1	97.2	97.6	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
	82.5	92.8	94.7	96.0	97.4	97.5	98.0	98.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0
	82.5	92.8	94.7	96.1	97.5	97.7	98.2	98.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3
	82.5	92.8	94.7	96.1	97.6	97.7	98.3	98.8	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7
	82.5	92.8	94.7	96.1	97.6	97.8	98.4	98.9	99.0	99.7	99.8	99.8	99.8	99.9	100.0	100.0
	82.5	92.8	94.7	96.1	97.6	97.8	98.4	98.9	99.0	99.7	99.8	99.8	99.8	99.9	100.0	100.0
	82.5	92.8	94.7	96.1	97.6	97.8	98.4	98.9	99.0	99.7	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2396

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEAR

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.8	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	59.6	62.8	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	59.9	63.1	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	60.2	63.3	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0
IV 14000	60.8	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 12000	61.8	65.0	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	63.9	67.4	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1
IV 9000	64.6	68.1	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 8000	66.8	70.8	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
IV 7000	67.7	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
IV 6000	69.1	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
IV 5000	71.5	76.5	77.1	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4500	72.4	77.5	78.2	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	74.3	79.9	80.8	81.0	81.3	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	75.7	81.8	82.8	83.1	83.3	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	77.6	84.7	85.9	86.3	86.6	86.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	78.9	86.7	88.0	88.5	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2000	80.0	89.0	90.5	91.1	91.5	91.6	91.8	91.8	91.8	91.9	91.9	91.9	92.0	92.0	92.0
IV 1800	80.1	89.3	91.0	91.7	92.1	92.2	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	80.4	90.0	91.8	92.6	93.1	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.6	93.6	93.6
IV 1200	80.8	91.0	92.9	94.0	94.3	94.6	94.8	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0
IV 1000	80.9	91.9	94.0	95.2	95.8	95.9	96.1	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.4
IV 900	80.9	92.2	94.4	95.8	96.5	96.7	97.0	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3
IV 800	80.9	92.4	94.7	96.2	97.1	97.4	97.9	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.3
IV 700	80.9	92.5	94.9	96.5	97.4	97.8	98.3	98.4	98.5	98.7	98.8	98.9	99.0	99.0	99.0
IV 600	80.9	92.5	95.0	96.6	97.6	98.0	98.7	98.9	99.0	99.3	99.5	99.5	99.6	99.7	99.7
IV 500	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.0	99.1	99.5	99.7	99.7	99.8	99.8	99.8
IV 400	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	99.9	100.0	100.0
IV 300	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	100.0	100.0	100.0
IV 200	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	100.0	100.0	100.0
IV 100	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	100.0	100.0	100.0
IV 0	80.9	92.5	95.0	96.7	97.7	98.1	98.9	99.1	99.1	99.6	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2288

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-50, 57-72  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.0	59.1	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6
IV 20000	64.2	67.8	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
IV 18000	64.2	67.9	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
IV 16000	64.2	67.9	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
IV 14000	65.0	68.6	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	65.5	69.4	69.6	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0
IV 10000	67.5	71.9	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
IV 9000	68.0	72.4	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
IV 8000	70.0	74.8	75.1	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6
IV 7000	71.4	76.4	76.7	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.3	77.3
IV 6000	73.0	78.3	78.7	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	74.6	80.2	80.7	80.9	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4
IV 4500	75.4	81.4	81.9	82.1	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
IV 4000	76.7	83.2	83.8	83.9	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7
IV 3500	77.8	84.7	85.2	85.4	85.7	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	78.8	86.5	87.2	87.5	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3
IV 2500	79.6	87.8	88.6	89.1	89.4	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
IV 2000	80.8	89.4	90.5	91.1	91.4	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9
IV 1800	81.0	89.8	90.8	91.4	91.8	91.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.3	92.3
IV 1500	81.5	91.0	92.0	92.7	93.2	93.3	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7
IV 1200	81.9	92.4	93.8	94.6	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.7	95.7
IV 1000	82.3	93.1	94.7	95.7	96.4	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
IV 900	82.4	93.5	95.3	96.4	97.3	97.4	97.8	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.2	98.2
IV 800	82.4	93.6	95.4	96.7	97.8	97.9	98.3	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6
IV 700	82.4	93.7	95.5	96.9	97.9	98.1	98.5	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9
IV 600	82.4	93.8	95.6	97.0	98.2	98.3	98.9	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3
IV 500	82.4	93.8	95.6	97.0	98.2	98.5	99.0	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	99.7
IV 400	82.4	93.8	95.6	97.1	98.3	98.5	99.2	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 300	82.4	93.8	95.6	97.1	98.3	98.5	99.2	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 200	82.4	93.8	95.6	97.1	98.3	98.5	99.2	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.9	99.9
IV 100	82.4	93.8	95.6	97.1	98.3	98.6	99.2	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0
IV 0	82.4	93.8	95.6	97.1	98.3	98.6	99.2	99.3	99.3	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2274

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-71  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.6	58.6	59.1	59.6	59.7	59.7	60.1	60.1	60.1	60.3	60.4	60.4	60.5	60.5	60.5	60.6
≥ 20000	64.0	67.6	68.1	68.6	68.8	68.8	69.2	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 18000	64.0	67.6	68.1	68.6	68.8	68.8	69.2	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 16000	64.0	67.6	68.1	68.6	68.8	68.8	69.2	69.2	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6
IV 14000	64.8	68.4	68.9	69.4	69.6	69.6	70.0	70.0	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.4
IV 12000	65.6	69.3	69.8	70.3	70.4	70.4	70.8	70.8	70.8	71.1	71.2	71.2	71.3	71.3	71.3	71.3
IV 10000	67.1	71.1	71.5	72.1	72.2	72.2	72.6	72.6	72.6	72.8	72.9	72.9	73.0	73.0	73.0	73.1
IV 9000	67.6	71.9	72.4	72.9	73.1	73.1	73.5	73.5	73.5	73.7	73.9	73.9	74.0	74.0	74.0	74.0
IV 8000	69.5	74.1	74.7	75.3	75.5	75.5	75.8	75.8	75.8	76.1	76.2	76.2	76.3	76.3	76.3	76.3
IV 7000	70.6	75.7	76.2	76.7	77.0	77.0	77.4	77.4	77.4	77.6	77.7	77.7	77.8	77.8	77.8	77.9
IV 6000	71.8	77.3	78.1	78.6	78.8	78.8	79.2	79.2	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7
IV 5000	74.0	80.3	81.2	81.9	82.1	82.1	82.4	82.4	82.4	82.7	82.8	82.8	82.9	82.9	82.9	83.0
IV 4500	74.9	81.6	82.5	83.2	83.4	83.4	83.4	83.8	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.3
IV 4000	76.2	83.8	84.8	85.7	85.9	85.9	86.4	86.4	86.4	86.6	86.8	86.8	86.8	86.8	86.8	86.9
IV 3500	76.7	84.6	85.6	86.7	86.9	86.9	87.3	87.3	87.3	87.6	87.7	87.7	87.8	87.8	87.8	87.9
IV 3000	77.7	86.5	87.7	88.8	89.0	89.0	89.5	89.5	89.5	89.7	89.9	89.9	90.0	90.0	90.0	90.0
IV 2500	78.8	87.9	89.0	90.2	90.5	90.5	91.0	91.0	91.0	91.2	91.4	91.4	91.5	91.5	91.5	91.5
IV 2000	79.9	89.5	90.7	91.9	92.2	92.2	92.7	92.7	92.7	93.0	93.1	93.1	93.2	93.2	93.2	93.3
IV 1800	80.1	90.0	91.2	92.3	92.7	92.7	93.2	93.2	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.8
IV 1500	80.6	90.8	92.1	93.4	93.8	93.8	94.2	94.2	94.2	94.5	94.7	94.7	94.8	94.8	94.8	94.8
IV 1200	81.1	91.7	93.0	94.5	94.9	94.9	95.3	95.3	95.3	95.6	95.8	95.8	95.9	95.9	95.9	95.9
IV 1000	81.2	92.0	93.4	94.8	95.2	95.2	95.7	95.7	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3
IV 900	81.3	92.3	93.7	95.2	95.6	95.6	96.1	96.1	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.8
IV 800	81.5	92.7	94.2	96.0	96.5	96.5	97.1	97.1	97.1	97.5	97.7	97.7	97.8	97.8	97.8	97.8
IV 700	81.6	93.0	94.7	96.5	97.1	97.1	97.7	97.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4
IV 600	81.7	93.1	94.9	96.8	97.4	97.4	98.2	98.2	98.2	98.7	98.9	98.9	99.0	99.0	99.0	99.0
IV 500	81.7	93.3	95.1	97.1	97.7	97.7	98.6	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.4
IV 400	81.8	93.4	95.3	97.3	98.1	98.1	98.2	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 300	81.8	93.4	95.3	97.3	98.1	98.1	98.2	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 200	81.8	93.4	95.3	97.3	98.1	98.1	98.2	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 100	81.8	93.4	95.3	97.3	98.1	98.1	98.2	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IV 0	81.8	93.4	95.3	97.3	98.1	98.1	98.2	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 2273

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,48-50,57-72 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.8	50.4	51.3	52.0	52.4	52.5	52.9	53.1	53.1	53.8	53.9	54.0	54.3	54.3	54.4	54.8
≥ 20000	55.0	59.7	60.7	61.6	62.1	62.1	62.6	62.8	62.9	63.5	63.7	63.8	64.1	64.1	64.2	64.6
IV 18000	55.1	59.8	60.8	61.6	62.2	62.2	62.6	62.9	62.9	63.6	63.8	63.9	64.2	64.2	64.2	64.7
16000	55.1	59.8	60.8	61.6	62.2	62.2	62.6	62.9	62.9	63.6	63.8	63.9	64.2	64.2	64.2	64.7
IV 14000	55.6	60.4	61.4	62.3	62.8	62.8	63.2	63.5	63.5	64.2	64.4	64.5	64.8	64.8	64.8	65.3
12000	56.6	61.5	62.5	63.3	63.9	63.9	64.3	64.6	64.6	65.3	65.5	65.5	65.9	65.9	65.9	66.4
IV 10000	58.2	63.2	64.2	65.1	65.6	65.6	66.1	66.3	66.4	67.0	67.2	67.3	67.6	67.6	67.7	68.1
9000	59.0	64.1	65.2	66.1	66.7	66.7	67.2	67.4	67.5	68.1	68.4	68.4	68.7	68.7	68.8	69.2
IV 8000	60.9	66.5	67.8	68.7	69.3	69.3	69.9	70.2	70.2	70.9	71.1	71.1	71.5	71.5	71.5	71.9
7000	62.6	68.7	70.0	70.9	71.5	71.5	72.1	72.4	72.4	73.1	73.3	73.3	73.7	73.7	73.7	74.2
IV 6000	64.4	70.7	72.1	73.1	73.6	73.7	74.4	74.6	74.7	75.3	75.5	75.6	75.9	75.9	76.0	76.4
5000	66.8	74.0	75.5	76.6	77.2	77.3	77.9	78.2	78.3	78.9	79.1	79.2	79.5	79.5	79.6	80.0
IV 4500	67.4	75.0	76.5	77.7	78.3	78.4	79.0	79.3	79.4	80.0	80.2	80.3	80.6	80.6	80.6	81.1
4000	68.7	76.7	78.4	79.8	80.4	80.5	81.1	81.4	81.5	82.1	82.3	82.4	82.7	82.7	82.8	83.2
IV 3500	69.4	77.7	79.4	80.8	81.4	81.6	82.3	82.6	82.6	83.2	83.5	83.5	83.9	83.9	83.9	84.3
3000	70.5	79.5	81.5	82.9	83.5	83.7	84.4	84.7	84.7	85.4	85.6	85.6	86.0	86.0	86.0	86.5
IV 2500	71.6	80.8	82.8	84.4	85.1	85.2	85.9	86.2	86.2	86.9	87.1	87.1	87.5	87.5	87.5	88.0
2000	72.9	82.8	84.9	86.5	87.3	87.5	88.1	88.4	88.5	89.1	89.4	89.4	89.7	89.7	89.8	90.2
IV 1800	73.2	83.3	85.5	87.1	87.9	88.1	88.7	89.0	89.0	89.7	89.9	90.0	90.3	90.3	90.3	90.8
1500	73.9	84.6	86.9	88.5	89.3	89.5	90.1	90.4	90.5	91.1	91.3	91.4	91.7	91.7	91.8	92.2
IV 1200	74.5	85.9	88.3	90.0	90.8	91.0	91.6	91.9	92.0	92.6	92.9	92.9	93.2	93.2	93.3	93.7
1000	75.2	87.1	89.6	91.3	92.3	92.5	93.1	93.4	93.5	94.2	94.4	94.5	94.8	94.8	94.8	95.3
IV 900	75.4	87.7	90.2	91.9	93.0	93.2	93.9	94.2	94.2	94.9	95.2	95.2	95.5	95.5	95.6	96.0
800	75.4	87.8	90.5	92.6	93.7	93.9	94.6	94.9	95.0	95.7	96.0	96.0	96.4	96.4	96.4	96.8
IV 700	75.5	88.1	91.0	93.1	94.2	94.5	95.4	95.7	95.8	96.5	96.7	96.8	97.1	97.1	97.1	97.6
600	75.5	88.2	91.2	93.3	94.6	94.8	95.8	96.2	96.3	97.0	97.3	97.3	97.7	97.7	97.7	98.1
IV 500	75.6	88.4	91.5	93.7	95.1	95.4	96.4	96.8	96.9	97.7	98.0	98.0	98.4	98.4	98.4	98.9
400	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.4	98.7	98.7	98.8	99.3
IV 300	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.5	98.8	98.8	98.9	99.4
200	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.5	98.9	98.9	99.0	99.5
IV 100	75.7	88.5	91.6	93.8	95.3	95.6	96.7	97.1	97.2	98.1	98.4	98.5	98.9	98.9	99.0	99.5
0	75.7	88.6	91.7	93.9	95.3	95.7	96.7	97.1	97.2	98.2	98.5	98.6	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2310

MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 YEARS

MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS ST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	45.9	46.8	47.3	47.4	47.4	47.8	47.9	47.9	48.1	48.1	48.1	48.1	48.2	48.3	48.4
IV 20000	50.3	56.6	57.8	58.4	58.6	58.7	59.0	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.5	59.7
IV 18000	50.4	56.8	58.0	58.5	58.8	58.9	59.2	59.3	59.3	59.5	59.5	59.5	59.6	59.6	59.7	59.9
IV 16000	50.6	57.0	58.2	58.7	59.0	59.1	59.4	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.9	60.1
IV 14000	50.7	57.3	58.5	59.0	59.3	59.3	59.7	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.3	60.4
IV 12000	52.4	59.2	60.3	60.9	61.2	61.2	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.2	62.4
IV 10000	54.2	61.7	63.1	63.6	63.9	64.0	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.8	64.9	65.1
IV 9000	54.8	62.4	64.0	64.6	64.9	64.9	65.3	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.8	66.0
IV 8000	56.8	64.9	66.6	67.1	67.4	67.5	68.0	68.1	68.1	68.3	68.3	68.3	68.4	68.4	68.5	68.7
IV 7000	58.9	67.6	69.3	69.9	70.3	70.4	70.9	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.5	71.7
IV 6000	61.0	70.0	71.9	72.5	73.0	73.1	73.6	73.7	73.7	73.9	73.9	73.9	74.0	74.0	74.1	74.3
IV 5000	63.0	72.9	74.9	75.5	76.0	76.1	76.7	76.8	76.8	77.0	77.0	77.0	77.1	77.1	77.2	77.4
IV 4500	63.6	73.7	75.8	76.4	76.9	77.0	77.6	77.7	77.7	77.9	77.9	77.9	78.0	78.0	78.1	78.3
IV 4000	64.9	75.7	77.9	78.6	79.3	79.4	80.0	80.1	80.1	80.3	80.3	80.3	80.4	80.4	80.5	80.7
IV 3500	65.7	76.7	78.9	79.6	80.3	80.4	81.0	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.5	81.7
IV 3000	66.8	78.3	80.6	81.4	82.1	82.2	82.9	83.0	83.0	83.1	83.2	83.2	83.2	83.3	83.4	83.6
IV 2500	67.7	79.8	82.3	83.2	84.0	84.1	84.7	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.3	85.5
IV 2000	69.1	81.5	84.2	85.2	86.0	86.1	86.8	86.9	87.0	87.2	87.2	87.2	87.2	87.3	87.4	87.6
IV 1800	69.2	81.8	84.5	85.5	86.4	86.5	87.2	87.3	87.4	87.6	87.6	87.6	87.6	87.7	87.8	88.0
IV 1500	70.2	83.2	86.0	87.3	88.5	88.6	89.3	89.5	89.5	89.7	89.8	89.8	89.8	89.9	90.0	90.2
IV 1200	71.0	84.5	87.3	88.9	90.2	90.3	91.1	91.2	91.3	91.5	91.6	91.6	91.7	91.7	91.8	92.0
IV 1000	71.4	85.5	88.6	90.3	91.7	91.9	92.8	93.0	93.0	93.3	93.4	93.4	93.4	93.5	93.6	93.8
IV 900	71.5	86.0	89.3	91.1	92.6	92.8	93.9	94.0	94.0	94.3	94.4	94.4	94.5	94.5	94.6	94.8
IV 800	71.6	86.4	89.9	92.1	93.7	94.0	95.1	95.3	95.3	95.7	95.8	95.8	95.9	95.9	96.0	96.2
IV 700	71.8	86.7	90.4	92.7	94.6	95.0	96.1	96.3	96.3	96.7	96.8	96.9	96.9	96.9	97.1	97.3
IV 600	71.8	86.9	90.7	93.1	95.2	95.5	96.7	96.9	96.9	97.5	97.6	97.6	97.7	97.7	97.8	98.0
IV 500	71.8	87.2	91.0	93.6	95.7	96.1	97.4	97.7	97.7	97.9	98.4	98.6	98.6	98.8	98.9	99.1
IV 400	71.8	87.2	91.1	93.6	95.8	96.2	97.5	97.9	97.9	98.6	98.8	98.8	98.8	98.9	99.0	99.3
IV 300	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	97.9	98.6	98.9	98.9	98.9	99.0	99.1	99.3
IV 200	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	97.9	98.6	99.0	99.0	99.0	99.2	99.2	99.3
IV 100	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	97.9	98.6	99.0	99.0	99.0	99.2	99.2	99.3
IV 0	71.8	87.2	91.1	93.6	95.8	96.2	97.6	97.9	98.0	98.7	99.0	99.1	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2484

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-50, 56-72  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 5	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.2	47.9	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 20000	56.1	58.6	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	56.1	58.7	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	56.4	58.9	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 14000	56.8	59.4	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 12000	58.4	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	60.1	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 9000	61.0	64.2	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 8000	63.2	66.8	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	65.2	69.1	69.6	69.6	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 6000	66.6	71.0	71.5	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	68.4	73.6	74.2	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	69.1	74.4	75.1	75.2	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4000	70.9	76.4	77.1	77.3	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	72.0	77.9	78.7	78.9	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3000	73.8	80.3	81.1	81.3	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	74.9	81.8	82.8	83.1	83.5	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	77.6	85.1	86.4	86.8	87.3	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	77.8	85.5	86.7	87.2	87.6	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1500	78.9	87.5	88.9	89.7	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1200	79.7	89.6	91.1	92.1	92.6	92.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1000	80.4	91.0	92.8	94.0	94.7	94.8	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	80.5	91.4	93.3	94.7	95.5	95.7	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 800	80.6	92.0	94.0	95.6	96.6	96.8	97.1	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 700	80.7	92.3	94.3	96.0	97.2	97.4	97.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	80.8	92.4	94.4	96.2	97.5	97.7	98.2	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	80.9	92.6	94.6	96.5	97.9	98.2	98.8	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	80.9	92.7	94.7	96.6	98.0	98.2	99.0	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	80.9	92.7	94.7	96.6	98.0	98.2	99.0	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	80.9	92.7	94.7	96.6	98.0	98.2	99.0	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	80.9	92.7	94.7	96.6	98.0	98.2	99.0	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	80.9	92.7	94.7	96.6	98.0	98.2	99.0	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2497

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 20000	55.4	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	55.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 16000	55.4	57.4	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000	56.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	57.5	59.7	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000	59.9	62.2	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 9000	60.7	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 8000	62.5	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	64.0	66.7	67.0	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	65.2	68.0	68.2	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 5000	67.6	70.6	70.8	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4500	68.5	71.6	71.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4
IV 4000	73.2	76.6	76.9	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	75.3	79.0	79.3	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000	78.4	82.7	83.1	83.3	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
IV 2500	80.9	86.1	86.5	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2000	83.3	89.3	89.8	90.2	90.6	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1800	83.7	90.1	90.6	91.1	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	84.8	92.3	92.8	93.3	94.0	94.1	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	85.4	93.7	94.4	95.2	95.8	95.9	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	85.6	94.4	95.4	96.2	96.9	97.1	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	85.7	94.7	95.7	96.6	97.3	97.5	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	85.7	94.8	95.8	96.9	97.7	98.0	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8
IV 700	85.7	94.9	95.9	97.0	98.0	98.3	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IV 600	85.7	95.0	96.0	97.1	98.2	98.5	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 400	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	85.8	95.0	96.1	97.3	98.4	98.6	99.2	99.5	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2480

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-50,56-72  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.2	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	60.4	62.1	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 18000	60.5	62.2	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 16000	60.6	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 14000	61.4	63.1	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	62.3	64.1	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000	64.5	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 9000	65.3	67.3	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 8000	67.1	69.2	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 7000	68.9	71.2	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	70.2	72.7	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	72.6	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 4500	73.7	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	77.6	81.2	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500	78.8	82.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 3000	82.7	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	84.9	89.9	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	86.1	91.9	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	86.4	92.5	93.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	87.2	93.8	94.8	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	87.4	94.6	95.8	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	87.5	94.8	96.0	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	87.5	95.1	96.5	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	87.6	95.2	96.6	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	87.6	95.3	96.7	97.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	87.6	95.3	96.7	97.9	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	87.6	95.4	96.8	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	87.6	95.4	96.8	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	87.6	95.4	96.8	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	87.6	95.4	96.8	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	87.6	95.4	96.8	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	87.6	95.4	96.8	97.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 2430

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.5	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 20000	64.8	66.9	67.0	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 18000	65.0	67.1	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 16000	65.2	67.3	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	65.6	67.8	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 12000	66.7	68.9	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 10000	68.6	71.1	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 9000	69.3	71.8	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	71.4	74.4	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 7000	73.8	77.1	77.3	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 6000	75.8	79.4	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	77.8	81.8	82.1	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	78.1	82.4	82.7	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	80.6	85.5	85.9	86.1	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	81.5	86.7	87.0	87.3	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	83.7	89.6	90.0	90.5	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	85.2	91.5	92.0	92.6	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	85.9	92.7	93.2	93.9	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1800	86.0	92.8	93.3	93.9	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1500	86.4	93.6	94.0	94.7	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	86.6	94.2	94.9	95.7	96.4	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	86.7	94.7	95.6	96.4	97.3	97.4	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 900	86.7	94.9	95.8	96.6	97.6	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	86.7	95.2	96.1	97.0	98.0	98.1	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	86.7	95.2	96.2	97.2	98.2	98.4	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	86.7	95.2	96.2	97.2	98.2	98.4	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	86.7	95.2	96.2	97.2	98.2	98.5	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 400	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 300	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 200	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 100	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV 0	86.7	95.2	96.2	97.2	98.3	98.5	99.2	99.4	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2330

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-50,57-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	58.2	60.3	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 20000	66.2	69.0	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	66.4	69.2	69.2	69.3	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 16000	66.6	69.3	69.4	69.4	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 14000	67.4	70.2	70.2	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 12000	68.8	71.6	71.6	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	70.6	73.7	73.7	73.7	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 9000	71.0	74.3	74.3	74.4	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	72.6	76.1	76.1	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 7000	74.8	78.7	78.8	78.8	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 6000	76.4	80.6	80.7	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	78.5	83.6	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4500	79.2	84.6	84.8	84.9	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	81.0	87.7	88.0	88.1	88.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	81.5	88.2	88.6	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	82.4	89.8	90.4	90.7	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	82.9	90.6	91.2	91.5	91.7	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	84.1	92.3	93.1	93.3	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	84.4	92.7	93.4	93.7	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	84.7	93.5	94.3	94.9	95.3	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	85.0	94.4	95.2	96.0	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	85.4	95.1	95.9	96.9	97.4	97.4	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	85.5	95.3	96.3	97.2	97.9	97.9	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	85.6	95.6	96.5	97.5	98.2	98.2	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	85.6	95.8	96.8	97.7	98.4	98.4	98.5	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	85.7	95.9	97.0	98.0	98.7	98.7	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	85.7	96.1	97.2	98.2	99.0	99.0	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	85.7	96.1	97.2	98.3	99.0	99.1	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	85.7	96.1	97.2	98.3	99.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2289

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,57-71  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.4	57.7	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.7
IV 20000	65.9	68.0	69.3	69.5	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
IV 18000	65.9	68.8	69.3	69.5	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
IV 16000	66.2	69.1	69.7	69.8	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.3
IV 14000	66.6	69.4	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.6
IV 12000	68.0	71.0	71.6	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.2
IV 10000	70.4	73.6	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.8	74.8	74.8	74.8
IV 9000	71.2	74.4	75.1	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.7
IV 8000	73.3	77.0	77.8	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.6	78.6	78.6	78.6
IV 7000	74.7	78.6	79.4	79.6	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.2	80.2	80.2	80.2
IV 6000	75.9	80.1	81.0	81.2	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9
IV 5000	77.7	82.6	83.7	83.9	84.2	84.2	84.4	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.6	84.6
IV 4500	78.2	83.3	84.5	84.9	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.6
IV 4000	79.7	85.6	87.0	87.5	88.0	88.1	88.3	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5
IV 3500	80.7	87.1	88.5	89.0	89.6	89.7	89.9	89.9	89.9	89.9	90.0	90.0	90.1	90.1	90.1	90.1
IV 3000	81.9	88.8	90.3	90.8	91.4	91.5	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.1
IV 2500	82.4	89.7	91.2	91.8	92.4	92.5	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.0
IV 2000	82.9	90.8	92.4	93.0	93.7	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.4
IV 1800	83.1	91.3	92.9	93.6	94.3	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	95.0
IV 1500	83.3	91.9	93.5	94.2	95.1	95.2	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.9	95.9	96.0
IV 1200	83.6	92.3	94.1	94.8	95.8	95.9	96.3	96.3	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.7
IV 1000	84.0	92.8	94.6	95.3	96.4	96.5	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.4
IV 900	84.2	93.0	94.8	95.5	96.6	96.7	97.2	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.8
IV 800	84.3	93.3	95.1	95.8	97.0	97.1	97.6	97.7	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.2
IV 700	84.4	93.4	95.2	95.9	97.1	97.2	97.8	97.9	97.9	98.1	98.2	98.2	98.3	98.3	98.3	98.3
IV 600	84.5	93.5	95.4	96.2	97.4	97.5	98.1	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.7
IV 500	84.6	93.7	95.7	96.5	97.8	97.8	98.6	98.7	98.7	98.9	98.9	99.1	99.1	99.2	99.2	99.3
IV 400	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.2	99.3	99.3	99.4	99.4	99.5
IV 300	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.5
IV 200	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.6
IV 100	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.6	99.6	99.6	99.8
IV 0	84.6	93.7	95.7	96.5	97.8	97.9	98.7	98.9	98.9	99.2	99.3	99.3	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2139

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FURT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

39-45,48-49,57-72  
 YEARS

JUN  
 MOF-YR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	46.5	50.5	51.3	51.7	52.2	52.3	52.6	52.8	52.8	53.0	53.1	53.1	53.2	53.2	53.3	53.4
IV 18000	55.2	60.1	60.9	61.7	62.2	62.3	62.7	62.8	62.9	63.1	63.2	63.2	63.4	63.4	63.5	63.7
IV 16000	55.4	60.2	61.1	61.9	62.4	62.5	62.9	63.0	63.1	63.3	63.4	63.4	63.6	63.6	63.7	63.9
IV 14000	56.0	60.9	61.7	62.5	63.0	63.1	63.5	63.7	63.7	63.9	64.0	64.0	64.2	64.2	64.4	64.5
IV 12000	57.6	62.7	63.6	64.4	64.9	65.0	65.4	65.5	65.6	65.8	65.9	65.9	66.1	66.1	66.2	66.4
IV 10000	60.2	65.8	66.7	67.5	68.0	68.1	68.6	68.7	68.8	69.0	69.0	69.0	69.3	69.3	69.4	69.6
IV 9000	61.0	66.7	67.6	68.4	68.9	69.0	69.5	69.6	69.7	69.8	69.9	69.9	70.2	70.2	70.3	70.4
IV 8000	63.3	69.6	70.6	71.4	71.9	72.0	72.5	72.7	72.7	72.9	73.0	73.0	73.2	73.2	73.4	73.5
IV 7000	64.7	71.5	72.5	73.3	73.8	73.9	74.5	74.6	74.7	74.9	75.0	75.0	75.2	75.2	75.3	75.5
IV 6000	66.4	73.9	74.9	75.8	76.3	76.4	76.9	77.1	77.2	77.3	77.4	77.4	77.7	77.7	77.8	77.9
IV 5000	68.2	76.5	77.8	78.8	79.5	79.7	80.2	80.4	80.4	80.6	80.7	80.7	80.9	80.9	81.1	81.2
IV 4500	68.8	77.2	78.6	79.5	80.3	80.4	80.9	81.1	81.2	81.4	81.4	81.4	81.7	81.7	81.8	82.0
IV 4000	70.9	80.3	81.7	82.8	83.8	84.0	84.5	84.7	84.7	84.9	85.0	85.0	85.3	85.3	85.4	85.5
IV 3500	72.0	81.7	83.3	84.5	85.4	85.6	86.1	86.3	86.3	86.6	86.7	86.7	86.9	86.9	87.0	87.2
IV 3000	73.7	83.8	85.5	86.8	87.8	88.0	88.5	88.7	88.7	89.0	89.0	89.3	89.3	89.3	89.4	89.6
IV 2500	74.1	84.4	86.2	87.4	88.6	88.6	89.2	89.4	89.5	89.7	89.8	89.8	90.1	90.1	90.3	90.4
IV 2000	75.2	86.4	88.3	89.6	90.7	90.9	91.6	91.8	91.8	92.1	92.3	92.3	92.6	92.6	92.7	92.9
IV 1800	75.4	86.6	88.5	89.8	91.0	91.1	91.8	92.0	92.1	92.4	92.5	92.5	92.8	92.8	93.0	93.1
IV 1500	75.9	87.6	89.5	91.0	92.4	92.5	93.2	93.5	93.6	93.8	94.0	94.0	94.4	94.4	94.5	94.6
IV 1200	76.3	88.2	90.1	91.8	93.1	93.3	94.0	94.3	94.3	94.6	94.7	94.7	95.1	95.1	95.2	95.4
IV 1000	76.6	88.6	90.7	92.4	93.8	94.0	94.8	95.1	95.2	95.4	95.6	95.6	95.9	95.9	96.1	96.2
IV 900	76.6	88.8	91.0	92.8	94.2	94.4	95.3	95.6	95.7	95.9	96.1	96.1	96.5	96.5	96.6	96.7
IV 800	76.7	88.9	91.0	93.0	94.5	94.7	95.7	96.0	96.0	96.3	96.5	96.5	96.8	96.8	97.0	97.1
IV 700	76.8	89.0	91.2	93.3	94.9	95.2	96.2	96.5	96.5	96.8	97.0	97.0	97.3	97.3	97.5	97.6
IV 600	76.8	89.2	91.5	93.6	95.3	95.5	96.7	97.0	97.1	97.4	97.5	97.5	97.9	97.9	98.0	98.2
IV 500	76.9	89.1	91.7	93.9	95.7	95.9	97.2	97.5	97.5	97.9	98.0	98.0	98.4	98.4	98.6	98.7
IV 400	76.9	89.4	91.7	94.0	95.8	96.0	97.2	97.6	97.6	98.1	98.3	98.3	98.6	98.6	98.8	98.9
IV 300	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.3	98.4	98.8	98.8	99.0	99.1
IV 200	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	98.9	98.9	99.1	99.2
IV 100	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	99.1	99.1	99.3	99.5
IV 0	76.9	89.4	91.7	94.0	95.8	96.0	97.3	97.6	97.7	98.1	98.4	98.4	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2145

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-49,56-72 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.1	44.2	45.1	45.4	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.2	46.2
≥ 20000	49.5	55.8	57.0	57.4	57.7	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.3	58.4
IV 18000	49.5	55.8	57.0	57.4	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.4	58.4
IV 16000	49.6	55.9	57.1	57.5	57.9	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.5	58.5
IV 14000	49.9	56.3	57.5	57.9	58.3	58.4	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	59.0	59.0
IV 12000	52.3	59.1	60.3	60.7	61.1	61.2	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.8	61.9
IV 10000	55.6	62.8	64.2	64.7	65.0	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.7	65.8
IV 9000	56.7	64.0	65.5	66.0	66.3	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	67.0	67.1
IV 8000	60.0	67.9	69.3	69.8	70.2	70.3	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.8	71.0	71.1
IV 7000	61.9	70.0	71.6	72.4	72.8	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.6	73.7
IV 6000	63.8	72.3	74.0	74.9	75.3	75.4	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	76.1	76.2
IV 5000	66.1	75.3	77.1	78.0	78.5	78.6	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.2	79.4	79.5
IV 4500	66.4	76.1	78.0	78.9	79.4	79.5	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.2	80.3
IV 4000	67.5	78.1	80.0	81.0	81.5	81.7	82.0	82.0	82.0	82.1	82.1	82.1	82.2	82.2	82.4	82.5
IV 3500	68.2	79.0	81.1	82.2	82.7	82.9	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.7	83.8
IV 3000	69.8	81.3	83.4	84.7	85.4	85.5	85.8	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.3	86.4
IV 2500	70.8	82.9	85.0	86.3	87.0	87.2	87.5	87.5	87.5	87.8	87.8	87.8	87.9	87.9	88.1	88.2
IV 2000	71.3	83.8	86.1	87.4	88.3	88.5	88.8	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.5	89.5
IV 1800	71.3	84.2	86.5	87.9	88.7	88.9	89.3	89.3	89.3	89.5	89.6	89.6	89.7	89.7	89.9	90.0
IV 1500	72.0	85.4	88.0	89.6	90.5	90.7	91.1	91.1	91.1	91.4	91.4	91.4	91.5	91.5	91.7	91.8
IV 1200	73.2	87.1	89.8	91.4	92.3	92.6	93.1	93.1	93.1	93.3	93.4	93.4	93.5	93.5	93.7	93.8
IV 1000	73.7	88.2	91.1	92.7	93.9	94.2	94.7	94.7	94.8	95.0	95.1	95.1	95.2	95.2	95.4	95.5
IV 900	74.0	88.6	91.5	93.1	94.4	94.7	95.3	95.4	95.4	95.7	95.7	95.7	95.9	95.9	96.1	96.2
IV 800	74.1	89.0	91.8	93.5	94.9	95.2	96.0	96.1	96.2	96.5	96.6	96.6	96.7	96.7	96.9	97.0
IV 700	74.3	89.2	92.0	93.8	95.6	96.0	96.8	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.8	97.9
IV 600	74.3	89.3	92.1	93.9	95.8	96.3	97.1	97.3	97.3	97.8	97.9	97.9	98.0	98.0	98.3	98.4
IV 500	74.3	89.3	92.2	94.0	96.0	96.5	97.3	97.6	97.6	98.2	98.4	98.4	98.6	98.6	98.8	98.9
IV 400	74.3	89.3	92.2	94.1	96.0	96.5	97.3	97.6	97.6	98.4	98.6	98.6	98.8	98.8	99.1	99.2
IV 300	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.2	99.3	99.6	99.6
IV 200	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.6	99.6
IV 100	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.3	99.6	99.6
IV 0	74.3	89.4	92.3	94.1	96.1	96.6	97.4	97.7	97.8	98.5	98.9	98.9	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,96-72  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS(LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	48.2	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 18000 16000	60.5	63.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 14000 12000	61.6	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 10000 9000	66.5	69.2	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000 7000	69.3	72.9	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000 5000	72.0	76.0	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4500 4000	74.1	78.8	79.3	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500 3000	76.0	81.5	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2500 2000	80.2	86.3	87.2	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
IV 1800 1500	82.5	89.4	90.4	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1200 1000	84.6	92.7	94.1	95.0	95.3	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900 800	85.1	94.0	95.7	96.6	97.2	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 700 600	85.3	94.5	96.2	97.4	98.4	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500 400	85.4	94.5	96.3	97.5	98.5	98.8	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300 200	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100 0	85.4	94.5	96.3	97.5	98.6	98.8	99.2	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2255

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FIPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS(LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 20000	61.9	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	62.0	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 16000	62.2	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	62.9	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 12000	64.0	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 10000	67.5	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 9000	68.4	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 8000	70.2	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 7000	71.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	73.0	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 5000	74.7	77.5	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 4500	76.0	78.8	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 4000	78.6	82.0	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	80.3	84.0	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3000	83.9	88.2	88.7	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	86.2	90.7	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	88.2	93.3	94.1	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	88.4	93.7	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1500	88.9	95.0	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6
IV 1200	89.7	96.3	97.3	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV 1000	90.0	96.9	98.1	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
IV 900	90.0	97.0	98.2	98.5	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 800	90.1	97.1	98.3	98.7	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	90.1	97.1	98.3	98.7	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 600	90.1	97.1	98.3	98.7	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 500	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 400	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 300	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	90.2	97.1	98.3	98.7	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2238

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FOET RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.5	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 20000	67.5	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 18000	67.7	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 16000	67.8	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	68.2	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	70.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	72.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 9000	73.0	74.1	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	74.9	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 7000	76.1	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 6500	77.3	78.8	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	79.2	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4500	80.4	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4000	83.4	85.9	86.0	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500	84.8	87.5	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	87.9	90.8	91.0	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2500	89.2	92.1	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	91.1	93.1	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	91.2	93.4	93.7	94.0	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	91.7	93.6	93.6	94.1	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	91.9	93.8	94.2	94.5	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 900	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 500	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 300	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 200	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 100	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 0	92.2	94.3	94.8	95.1	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7

TOTAL NUMBER OF OBSERVATIONS 2195

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FUERT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,57-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 20000	71.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 18000	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 16000	71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 14000	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 12000	73.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 10000	76.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000	76.8	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	78.9	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	80.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 6000	81.9	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	83.3	86.8	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4500	83.9	87.5	87.8	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 4000	85.4	89.5	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4
IV 3500	87.0	91.2	91.5	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 3000	88.1	92.7	93.2	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0
IV 2500	88.9	93.7	94.2	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000	89.8	95.0	95.6	95.9	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
IV 1800	90.0	95.2	95.8	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7
IV 1500	90.3	95.7	96.3	96.8	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7
IV 1200	90.5	96.0	96.6	97.1	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
IV 1000	90.6	96.5	97.2	97.7	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
IV 900	90.7	96.6	97.3	97.8	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	90.7	96.6	97.4	97.9	98.9	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 700	90.8	96.8	97.5	98.0	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 600	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 500	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 400	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 300	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 200	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 100	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 0	90.8	96.8	97.5	98.0	99.0	99.0	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2102

SPEEDRAC MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

39-43,48-49,57-72  
 YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	59.9	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 20000	71.9	74.0	74.2	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000	72.1	74.2	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	72.2	74.4	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 14000	73.1	75.3	75.4	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 12000	73.9	76.1	76.3	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 10000	75.8	78.2	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	76.6	79.1	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 8000	78.7	81.3	81.5	81.6	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	80.3	83.0	83.3	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 5000	81.1	84.0	84.3	84.4	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	82.8	86.1	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4500	83.4	86.7	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 4000	85.1	88.9	89.6	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500	86.0	90.1	90.8	91.0	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 3000	86.9	91.5	92.3	92.5	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2500	87.6	92.6	93.5	93.8	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	88.5	94.0	95.0	95.3	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1800	88.6	94.1	95.1	95.5	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	89.1	94.9	96.0	96.4	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	89.3	95.2	96.4	96.8	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	89.5	95.7	96.9	97.5	98.3	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	89.6	95.8	97.0	97.6	98.5	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	89.7	96.0	97.3	98.0	98.9	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	89.7	96.0	97.4	98.1	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4
IV 600	89.8	96.1	97.5	98.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 500	89.8	96.1	97.5	98.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 400	89.8	96.1	97.5	98.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 300	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 200	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 100	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 0	89.8	96.1	97.5	98.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2122

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 48-49, 56-71  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	64.9	68.5	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0
IV 20000	74.0	78.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
IV 18000	74.1	78.5	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
IV 16000	74.3	78.7	78.9	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2
IV 14000	74.6	79.0	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
IV 12000	76.2	80.8	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 10000	78.1	83.0	83.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6
IV 9000	79.0	84.1	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7
IV 8000	80.9	86.6	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3
IV 7000	82.6	88.6	88.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.3
IV 6000	83.7	90.1	90.4	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9
IV 5000	85.3	92.2	92.7	93.2	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6
IV 4500	85.6	92.6	93.1	93.6	93.7	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
IV 4000	86.6	94.1	94.9	95.5	95.9	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.3	96.3
IV 3500	87.1	94.9	95.8	96.3	96.7	96.7	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.2	97.2
IV 3000	87.6	95.7	96.5	97.2	97.5	97.5	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.0	98.0
IV 2500	87.7	95.9	96.8	97.4	97.9	97.9	98.1	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4
IV 2000	87.7	96.2	97.1	97.7	98.2	98.2	98.3	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800	87.7	96.3	97.2	97.8	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7
IV 1500	87.9	96.5	97.4	98.0	98.5	98.5	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.0
IV 1200	88.0	96.8	97.7	98.3	98.8	98.8	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3	99.3
IV 1000	88.1	96.9	97.8	98.5	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5
IV 900	88.1	96.9	97.8	98.5	99.0	99.0	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5
IV 800	88.1	97.0	97.9	98.6	99.1	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 700	88.1	97.2	98.1	98.8	99.3	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9
IV 600	88.1	97.2	98.1	98.8	99.3	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9
IV 500	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 400	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
IV 300	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0
IV 200	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0
IV 100	88.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	100.0	100.0
IV 0	68.1	97.2	98.2	98.9	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2219

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	54.9	60.1	60.6	61.3	61.8	61.8	62.2	62.2	62.2	62.4	62.6	62.6	62.7	62.8	62.8	62.9
≥ 20000	62.8	69.1	69.6	70.3	70.8	70.8	71.1	71.2	71.2	71.5	71.6	71.6	71.8	71.8	71.9	71.9
IV 18000	62.9	69.1	69.7	70.3	70.8	70.8	71.2	71.2	71.3	71.5	71.6	71.6	71.8	71.9	71.9	72.0
IV 16000	63.0	69.2	69.8	70.5	71.0	71.0	71.3	71.4	71.4	71.6	71.8	71.8	72.0	72.0	72.0	72.1
IV 14000	63.4	69.6	70.2	70.9	71.4	71.4	71.7	71.8	71.8	72.0	72.2	72.2	72.4	72.4	72.4	72.5
IV 12000	65.0	71.8	72.4	73.2	73.6	73.6	74.0	74.0	74.1	74.3	74.4	74.4	74.7	74.7	74.8	74.8
IV 10000	67.6	74.8	75.5	76.3	76.8	76.8	77.1	77.2	77.2	77.4	77.6	77.6	77.8	77.8	77.9	77.9
IV 9000	68.7	76.3	77.0	77.8	78.3	78.3	78.7	78.8	78.8	79.0	79.2	79.2	79.4	79.4	79.5	79.5
IV 8000	72.0	79.9	80.7	81.4	82.0	82.0	82.4	82.5	82.5	82.7	82.9	82.9	83.1	83.1	83.2	83.2
IV 7000	73.9	82.1	82.9	83.7	84.2	84.3	84.7	84.8	84.8	85.0	85.2	85.2	85.4	85.4	85.5	85.5
IV 6000	75.0	83.5	84.4	85.2	85.9	85.9	86.3	86.4	86.5	86.7	86.9	86.9	87.1	87.1	87.2	87.2
IV 5000	76.6	86.1	87.3	88.4	89.1	89.1	89.5	89.6	89.7	89.9	90.1	90.1	90.3	90.4	90.4	90.5
IV 4500	77.2	86.5	87.7	88.8	89.5	89.6	90.0	90.1	90.1	90.3	90.6	90.6	90.8	90.8	90.9	90.9
IV 4000	78.8	89.0	90.3	91.7	92.6	92.6	93.1	93.2	93.2	93.5	93.7	93.7	93.9	93.9	94.0	94.0
IV 3500	79.1	89.6	91.1	92.3	93.2	93.2	93.7	93.8	93.9	94.1	94.3	94.3	94.5	94.6	94.6	94.7
IV 3000	79.9	90.6	92.1	93.3	94.4	94.5	95.0	95.1	95.1	95.4	95.6	95.6	95.8	95.9	95.9	95.9
IV 2500	80.3	91.3	92.8	94.3	95.3	95.3	95.9	95.9	96.0	96.2	96.4	96.4	96.7	96.7	96.7	96.8
IV 2000	80.5	92.1	93.6	95.1	96.1	96.1	96.7	96.7	96.8	97.0	97.2	97.2	97.5	97.6	97.6	97.6
IV 1800	80.5	92.1	93.6	95.1	96.1	96.2	96.7	96.8	96.8	97.1	97.3	97.3	97.6	97.6	97.6	97.7
IV 1500	80.8	92.6	94.2	95.6	96.7	96.7	97.2	97.3	97.4	97.6	97.8	97.8	98.1	98.1	98.2	98.2
IV 1200	81.0	93.0	94.6	96.1	97.1	97.2	97.7	97.8	97.9	98.1	98.3	98.3	98.6	98.6	98.7	98.7
IV 1000	81.1	93.3	94.9	96.3	97.4	97.5	98.0	98.1	98.2	98.5	98.8	98.8	99.0	99.1	99.1	99.2
IV 900	81.2	93.4	95.0	96.5	97.6	97.6	98.2	98.3	98.4	98.7	98.9	98.9	99.2	99.2	99.2	99.3
IV 800	81.2	93.4	95.1	96.6	97.7	97.7	98.3	98.4	98.5	98.8	99.0	99.0	99.3	99.3	99.4	99.4
IV 700	81.2	93.5	95.2	96.7	97.7	97.8	98.4	98.4	98.5	98.9	99.1	99.1	99.4	99.4	99.5	99.5
IV 600	81.2	93.5	95.2	96.7	97.8	97.8	98.4	98.5	98.6	99.0	99.2	99.2	99.5	99.5	99.6	99.6
IV 500	81.2	93.5	95.2	96.7	97.8	97.8	98.5	98.6	98.7	99.0	99.2	99.2	99.5	99.6	99.6	99.6
IV 400	81.2	93.5	95.2	96.7	97.8	97.8	98.5	98.6	98.7	99.1	99.3	99.3	99.6	99.7	99.7	99.8
IV 300	81.2	93.5	95.2	96.7	97.8	97.8	98.5	98.6	98.7	99.1	99.3	99.3	99.6	99.7	99.8	99.8
IV 200	81.2	93.5	95.2	96.7	97.8	97.8	98.5	98.6	98.7	99.1	99.3	99.3	99.6	99.7	99.8	99.9
IV 100	81.2	93.5	95.2	96.7	97.8	97.8	98.5	98.6	98.7	99.1	99.3	99.3	99.6	99.7	99.8	100.0
IV 0	81.2	93.5	95.2	96.7	97.6	97.8	98.5	98.6	98.7	99.1	99.3	99.3	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2246

SHEPHERD MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

EDRT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49.56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	52.8	53.8	54.5	54.9	55.0	55.3	55.3	55.3	55.6	55.7	55.7	55.8	55.8	55.9	55.9
IV 20000	55.1	62.9	62.9	64.8	65.2	65.4	65.6	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.3	66.3
IV 18000	55.3	63.1	64.1	65.0	65.4	65.6	65.8	65.9	65.9	66.1	66.2	66.2	66.3	66.3	66.5	66.5
IV 16000	55.7	63.5	64.5	65.4	65.8	66.0	66.2	66.3	66.3	66.5	66.6	66.6	66.7	66.7	66.9	66.9
IV 14000	56.4	64.5	65.5	66.4	66.8	67.0	67.2	67.2	67.2	67.5	67.6	67.6	67.7	67.7	67.8	67.8
IV 12000	58.6	67.5	68.5	69.5	70.0	70.1	70.3	70.4	70.4	70.6	70.7	70.7	70.9	70.9	71.0	71.0
IV 10000	61.7	71.1	72.2	73.1	73.6	73.7	74.0	74.0	74.0	74.3	74.3	74.3	74.5	74.5	74.6	74.6
IV 9000	63.0	72.6	73.7	74.7	75.2	75.3	75.6	75.6	75.6	75.9	75.9	75.9	76.1	76.1	76.2	76.2
IV 8000	66.5	76.9	78.1	79.3	79.8	80.0	80.2	80.2	80.2	80.5	80.6	80.6	80.7	80.7	80.9	80.9
IV 7000	68.4	79.3	80.7	81.8	82.4	82.5	82.7	82.8	82.8	83.0	83.1	83.1	83.3	83.3	83.4	83.4
IV 6000	70.2	81.4	82.8	83.9	84.5	84.6	84.8	84.9	84.9	85.1	85.2	85.2	85.4	85.4	85.5	85.5
IV 5000	72.0	84.0	85.5	86.6	87.3	87.5	87.5	87.9	87.9	88.2	88.3	88.3	88.5	88.5	88.6	88.6
IV 4500	72.6	85.0	86.5	87.9	88.5	88.6	88.9	89.0	89.0	89.3	89.4	89.4	89.6	89.6	89.7	89.7
IV 4000	74.1	87.2	88.7	90.1	90.8	90.9	91.2	91.3	91.3	91.6	91.7	91.7	91.9	91.9	92.0	92.0
IV 3500	74.2	87.6	89.1	90.6	91.3	91.4	91.7	91.8	91.8	92.2	92.3	92.3	92.5	92.5	92.6	92.6
IV 3000	74.8	88.7	90.4	91.9	92.6	92.8	93.1	93.2	93.2	93.5	93.7	93.7	93.9	93.9	94.0	94.0
IV 2500	75.2	89.2	90.9	92.4	93.2	93.3	93.6	93.7	93.7	94.0	94.2	94.2	94.4	94.4	94.5	94.5
IV 2000	75.7	90.0	91.8	93.4	94.1	94.3	94.6	94.7	94.7	95.0	95.2	95.2	95.4	95.4	95.5	95.5
IV 1800	75.7	90.2	92.0	93.5	94.3	94.4	94.8	94.9	94.9	95.2	95.4	95.4	95.6	95.6	95.7	95.7
IV 1500	75.9	90.7	92.5	94.1	94.8	95.0	95.4	95.4	95.4	95.8	95.9	95.9	96.1	96.1	96.3	96.3
IV 1200	76.3	91.2	93.1	94.7	95.6	95.7	96.1	96.2	96.2	96.6	96.7	96.7	97.0	97.0	97.1	97.1
IV 1000	76.7	92.1	94.0	95.6	96.5	96.7	97.1	97.2	97.2	97.5	97.7	97.7	97.9	97.9	98.0	98.0
IV 900	76.7	92.4	94.4	96.1	97.1	97.2	97.6	97.7	97.8	98.1	98.3	98.3	98.5	98.5	98.7	98.7
IV 800	76.7	92.5	94.4	96.2	97.2	97.3	97.7	97.8	97.9	98.3	98.5	98.5	98.7	98.7	98.8	98.8
IV 700	76.7	92.6	94.6	96.3	97.4	97.5	98.0	98.1	98.2	98.5	98.8	98.8	99.0	99.0	99.1	99.1
IV 600	76.7	92.6	94.7	96.5	97.6	97.7	98.2	98.3	98.3	98.7	99.0	99.0	99.2	99.2	99.3	99.3
IV 500	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.4	98.4	98.8	99.1	99.1	99.3	99.3	99.4	99.4
IV 400	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.5	98.5	98.9	99.2	99.2	99.4	99.4	99.5	99.5
IV 300	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.5	98.5	99.0	99.3	99.3	99.5	99.5	99.7	99.7
IV 200	76.7	92.7	94.7	96.5	97.6	97.8	98.3	98.5	98.5	99.0	99.3	99.3	99.6	99.6	99.8	99.8
IV 100	76.7	92.7	94.7	96.5	97.6	97.8	98.4	98.5	98.6	99.0	99.3	99.3	99.7	99.7	99.9	100.0
IV 0	76.7	92.7	94.7	96.5	97.6	97.8	98.4	98.5	98.6	99.0	99.3	99.3	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2460

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AFB  
STATION NAME

39-49-56-72  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOUS(EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.4	58.6	58.9	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 20000	65.9	70.0	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 18000	66.1	70.1	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 16000	66.6	70.6	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 14000	67.4	71.5	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	70.0	74.4	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 10000	72.9	77.4	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 9000	73.9	78.5	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 8000	76.7	81.9	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 7000	78.5	84.1	84.6	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 6000	79.2	85.1	85.7	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 5000	80.5	87.0	87.6	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 4500	80.8	87.6	88.2	88.7	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 4000	82.1	89.1	89.8	90.3	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 3500	82.5	89.6	90.3	90.8	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	83.7	91.0	91.8	92.3	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	84.6	92.3	93.1	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 2000	85.3	93.5	94.4	95.0	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	85.5	93.8	94.7	95.4	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	85.9	94.3	95.2	96.0	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	86.4	95.2	96.3	97.0	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	86.7	96.1	97.1	97.8	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	86.8	96.3	97.4	98.1	98.5	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	86.8	96.5	97.6	98.4	98.8	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	86.8	96.6	97.7	98.5	98.9	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	86.8	96.6	97.8	98.7	99.1	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	86.9	96.7	98.0	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	86.9	96.7	98.0	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	86.9	96.7	98.0	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	86.9	96.7	98.0	98.9	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	86.9	96.7	98.0	98.9	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	86.9	96.7	98.0	98.9	99.3	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2461

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49, 56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.2	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 20000	69.5	71.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	69.7	71.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 16000	69.9	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	70.6	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 12000	72.8	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 10000	75.4	77.9	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 9000	76.3	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 8000	78.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	79.9	82.9	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	81.2	84.3	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	83.0	86.4	86.7	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	83.7	87.2	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 4000	86.0	89.6	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 3500	87.4	91.5	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	89.4	93.8	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 2500	90.8	95.7	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 2000	91.5	96.8	97.2	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	91.6	97.1	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	92.1	97.8	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	92.3	98.0	98.6	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	92.3	98.3	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	92.3	98.4	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	92.3	98.5	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.3	98.6	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2452

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-49,56-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.3	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 20000	75.2	76.8	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 18000	75.3	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 16000	75.6	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	76.3	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 12000	77.9	79.9	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 10000	80.4	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 9000	81.1	83.2	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 8000	83.3	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	84.3	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 6000	85.4	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 5000	87.0	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 4500	87.8	90.8	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 4000	90.1	93.4	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 3500	90.7	94.2	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 3000	92.2	95.8	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2500	92.9	96.8	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	93.3	97.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1800	93.5	97.9	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	93.7	98.1	98.8	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	93.9	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	93.9	98.5	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.9	98.5	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 241

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,48-49,56-72  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	66.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 26000	77.3	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 18000	77.4	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 16000	77.8	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 14000	78.3	80.8	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 12000	79.7	82.3	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 10000	82.1	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	82.7	85.7	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 8000	84.7	87.9	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 7000	86.4	89.9	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 6000	87.4	91.0	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 5000	88.9	92.7	93.1	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 4500	89.3	93.2	93.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	91.1	95.5	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 3500	91.6	96.1	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 3000	92.0	96.7	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 2500	92.3	97.1	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	92.7	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1800	92.8	97.7	98.2	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	92.9	97.9	98.5	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	92.9	98.2	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	92.9	98.4	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2224

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FMPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-43,48-49,56-72 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	70.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 20000	79.5	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 18000	79.5	82.2	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 16000	79.6	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 14000	80.0	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 12000	81.0	84.1	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 10000	82.8	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 9000	83.7	87.1	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 8000	85.6	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 7000	86.6	90.8	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 6000	87.9	92.2	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 5000	89.5	94.1	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2
IV 4500	90.0	94.6	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 4000	91.0	95.9	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
IV 3500	91.4	96.6	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
IV 3000	91.6	97.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	91.7	97.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	91.9	97.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
IV 1800	91.9	97.5	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
IV 1500	92.1	97.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
IV 1200	92.1	98.0	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 1000	92.1	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 900	92.1	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 800	92.1	98.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 700	92.1	98.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 600	92.1	98.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 500	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.1	98.2	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2223

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.7	71.6	72.1	72.3	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 20000	74.3	79.8	80.3	80.5	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 18000	74.3	79.8	80.4	80.6	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
IV 16000	74.5	80.0	80.5	80.8	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5
IV 14000	75.2	80.7	81.2	81.4	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
IV 12000	76.2	81.9	82.4	82.7	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
IV 10000	77.9	84.1	84.6	84.9	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6
IV 9000	78.7	85.3	85.9	86.1	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
IV 8000	80.4	87.7	88.3	88.5	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	81.5	89.1	89.7	89.9	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
IV 6000	82.1	89.8	90.4	90.6	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
IV 5000	82.8	91.0	91.6	91.9	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
IV 4500	83.3	91.5	92.2	92.6	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6
IV 4000	84.0	92.6	93.4	93.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
IV 3500	84.2	93.3	94.1	94.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.9
IV 3000	84.5	93.7	94.6	95.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
IV 2500	84.6	93.9	94.8	95.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.7
IV 2000	84.8	94.5	95.4	95.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3
IV 1800	84.8	94.5	95.4	95.9	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
IV 1500	85.1	94.9	95.9	96.3	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	98.0
IV 1200	85.3	95.1	96.1	96.6	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
IV 1000	85.5	95.5	96.6	97.0	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 900	85.6	95.6	96.7	97.2	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
IV 800	85.6	95.6	96.8	97.3	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 700	85.6	95.8	97.0	97.5	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
IV 600	85.6	95.9	97.1	97.8	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 500	85.6	95.9	97.1	97.8	99.1	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
IV 400	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 300	85.6	95.9	97.2	97.8	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9
IV 200	85.6	95.9	97.2	97.8	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0
IV 100	85.6	95.9	97.2	97.8	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0
IV 0	85.6	95.9	97.2	97.8	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2271

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      39-45.47-49.56-72 YEARS      AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.3	63.2	64.5	65.0	65.4	65.5	65.8	65.8	65.9	66.2	66.2	66.2	66.3	66.3	66.4	66.6
IV 20000	63.1	70.8	72.2	72.7	73.3	73.3	73.7	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.4	74.6
IV 18000	63.1	70.8	72.2	72.7	73.3	73.4	73.8	73.8	73.9	74.2	74.2	74.2	74.4	74.4	74.5	74.6
IV 16000	63.1	70.9	72.3	72.8	73.4	73.4	73.8	73.9	73.9	74.2	74.2	74.2	74.4	74.4	74.5	74.7
IV 14000	63.6	71.5	72.9	73.4	74.0	74.1	74.5	74.5	74.6	74.8	74.9	74.9	75.1	75.1	75.1	75.3
IV 12000	64.7	72.8	74.2	74.7	75.3	75.3	75.7	75.8	75.8	76.1	76.1	76.1	76.3	76.3	76.4	76.6
IV 10000	66.7	75.4	76.7	77.2	77.8	77.9	78.3	78.4	78.4	78.7	78.7	78.7	78.9	78.9	79.0	79.1
IV 9000	67.7	76.7	78.3	78.8	79.4	79.4	79.8	79.8	80.0	80.2	80.3	80.3	80.4	80.4	80.5	80.7
IV 8000	69.2	78.5	80.2	80.8	81.4	81.4	81.8	81.9	81.9	82.2	82.2	82.2	82.4	82.4	82.5	82.7
IV 7000	70.8	80.8	82.7	83.2	83.8	83.9	84.3	84.3	84.4	84.6	84.7	84.7	84.9	84.9	84.9	85.1
IV 6000	72.3	82.7	84.6	85.1	85.7	85.8	86.2	86.2	86.3	86.5	86.6	86.6	86.8	86.8	86.8	87.0
IV 5000	73.5	84.6	86.8	87.3	88.0	88.0	88.5	88.6	88.6	88.9	88.9	88.9	89.1	89.1	89.2	89.4
IV 4500	74.1	85.6	87.7	88.4	89.1	89.2	89.6	89.7	89.7	90.0	90.0	90.0	90.2	90.2	90.3	90.5
IV 4000	74.7	87.3	89.5	90.4	91.1	91.1	91.6	91.7	91.7	92.0	92.0	92.0	92.2	92.2	92.3	92.5
IV 3500	75.1	87.9	90.2	91.0	91.8	91.9	92.3	92.4	92.5	92.8	92.9	92.9	93.0	93.0	93.1	93.3
IV 3000	75.6	88.6	91.0	92.0	92.9	92.9	93.3	93.4	93.5	93.8	93.9	93.9	94.1	94.1	94.2	94.4
IV 2500	75.7	88.9	91.3	92.3	93.2	93.2	93.7	93.8	93.8	94.2	94.2	94.2	94.4	94.4	94.5	94.7
IV 2000	76.2	89.9	92.5	93.6	94.5	94.5	95.0	95.1	95.1	95.4	95.5	95.5	95.7	95.7	95.8	96.0
IV 1800	76.2	90.0	92.5	93.6	94.5	94.6	95.0	95.1	95.2	95.5	95.6	95.6	95.7	95.7	95.8	96.0
IV 1500	76.5	90.4	92.9	94.1	95.0	95.1	95.5	95.6	95.7	96.0	96.2	96.2	96.3	96.3	96.4	96.6
IV 1200	76.8	90.9	93.6	94.8	95.7	95.7	96.2	96.3	96.4	96.8	96.9	96.9	97.1	97.1	97.2	97.4
IV 1000	77.2	91.4	94.1	95.3	96.2	96.3	96.7	96.9	97.0	97.3	97.4	97.4	97.5	97.5	97.7	97.8
IV 900	77.2	91.4	94.2	95.4	96.3	96.3	96.8	97.0	97.1	97.4	97.6	97.6	97.8	97.8	97.9	98.1
IV 800	77.2	91.7	94.5	95.7	96.6	96.7	97.1	97.3	97.4	97.8	97.9	97.9	98.2	98.2	98.3	98.5
IV 700	77.3	91.9	94.8	96.0	97.0	97.1	97.5	97.8	97.8	98.2	98.4	98.4	98.6	98.6	98.7	98.9
IV 600	77.3	92.0	94.9	96.3	97.3	97.4	97.8	98.1	98.2	98.5	98.7	98.7	98.9	98.9	99.0	99.2
IV 500	77.3	92.0	94.9	96.3	97.4	97.5	98.0	98.2	98.3	98.6	98.8	98.8	99.1	99.1	99.2	99.4
IV 400	77.3	92.0	94.9	96.3	97.5	97.6	98.1	98.3	98.4	98.8	99.0	99.0	99.2	99.3	99.4	99.6
IV 300	77.3	92.0	95.0	96.3	97.5	97.7	98.2	98.4	98.5	98.9	99.2	99.2	99.4	99.4	99.5	99.7
IV 200	77.3	92.0	95.0	96.3	97.5	97.7	98.2	98.4	98.5	98.9	99.2	99.2	99.4	99.5	99.6	99.8
IV 100	77.3	92.0	95.0	96.3	97.5	97.7	98.2	98.4	98.5	98.9	99.2	99.2	99.4	99.5	99.6	99.8
IV 0	77.3	92.0	95.0	96.3	97.5	97.7	98.2	98.4	98.5	98.9	99.2	99.2	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49.56-72 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.6	52.8	54.3	54.8	55.1	55.5	55.7	55.9	55.9	56.1	56.1	56.1	56.3	56.3	56.5	56.6
≥ 20000	52.2	61.5	63.2	64.1	64.6	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.8	65.8	65.9	66.1
IV 18000	52.2	61.5	63.2	64.1	64.6	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.8	65.8	65.9	66.1
IV 16000	52.2	61.5	63.2	64.1	64.6	64.9	65.2	65.3	65.4	65.5	65.5	65.5	65.8	65.8	65.9	66.1
IV 14000	52.6	62.2	63.9	64.8	65.2	65.6	65.8	66.0	66.1	66.2	66.2	66.2	66.4	66.4	66.6	66.7
IV 12000	55.1	64.9	66.9	67.7	68.2	68.7	68.9	69.1	69.2	69.3	69.3	69.3	69.6	69.6	69.7	69.9
IV 10000	57.8	67.9	70.0	70.8	71.6	71.9	72.1	72.3	72.4	72.5	72.5	72.5	72.8	72.8	73.0	73.1
IV 9000	58.8	69.2	71.2	72.1	72.9	73.2	73.5	73.7	73.8	73.9	73.9	73.9	74.1	74.1	74.4	74.5
IV 8000	61.9	72.8	74.9	75.8	76.7	77.1	77.4	77.6	77.6	77.8	77.8	77.8	78.0	78.0	78.2	78.4
IV 7000	63.8	75.2	77.5	78.6	79.5	79.9	80.2	80.4	80.5	80.6	80.6	80.6	80.8	80.8	81.0	81.2
IV 6000	64.6	76.6	78.8	80.1	81.0	81.4	81.7	81.9	82.0	82.1	82.1	82.1	82.3	82.3	82.6	82.7
IV 5000	66.7	79.3	81.7	83.0	84.0	84.3	84.7	84.9	85.0	85.1	85.1	85.1	85.3	85.3	85.6	85.7
IV 4500	67.1	80.0	82.4	83.7	84.7	85.1	85.5	85.7	85.7	85.9	85.9	85.9	86.1	86.1	86.3	86.5
IV 4000	67.9	81.5	84.1	85.4	86.7	87.0	87.4	87.6	87.7	87.8	87.8	87.8	88.0	88.0	88.3	88.4
IV 3500	68.1	81.8	84.4	85.8	87.1	87.4	87.8	88.1	88.2	88.3	88.3	88.3	88.6	88.6	88.8	89.0
IV 3000	68.7	82.9	85.7	87.1	88.4	88.8	89.2	89.5	89.6	89.7	89.7	89.7	90.0	90.0	90.2	90.4
IV 2500	69.1	83.4	86.2	87.7	89.1	89.5	89.9	90.2	90.3	90.5	90.5	90.5	90.7	90.7	90.9	91.1
IV 2000	69.6	84.5	87.6	89.3	90.8	91.2	91.7	92.0	92.1	92.3	92.3	92.3	92.5	92.5	92.7	92.9
IV 1800	69.7	84.6	87.9	89.6	91.1	91.5	92.0	92.4	92.5	92.6	92.6	92.6	92.8	92.8	93.1	93.2
IV 1500	69.9	85.1	88.5	90.3	91.8	92.2	92.7	93.1	93.2	93.4	93.4	93.4	93.6	93.6	93.8	94.0
IV 1200	70.3	85.8	89.3	91.1	92.6	93.0	93.6	94.0	94.1	94.3	94.3	94.3	94.5	94.5	94.8	94.9
IV 1000	70.8	86.7	90.3	92.2	93.8	94.2	94.8	95.3	95.4	95.6	95.6	95.6	95.8	95.8	96.0	96.2
IV 900	70.9	86.8	90.5	92.5	94.2	94.7	95.3	95.8	95.9	96.1	96.1	96.1	96.3	96.3	96.5	96.7
IV 800	70.9	87.0	90.7	92.8	94.6	95.1	95.8	96.3	96.4	96.7	96.7	96.7	96.9	96.9	97.1	97.3
IV 700	71.0	87.4	91.2	93.4	95.4	95.9	96.6	97.1	97.2	97.5	97.5	97.5	97.7	97.7	98.0	98.1
IV 600	71.0	87.5	91.3	93.6	95.6	96.2	96.9	97.5	97.6	97.9	97.9	97.9	98.2	98.2	98.4	98.6
IV 500	71.0	87.6	91.5	93.9	96.0	96.6	97.4	98.0	98.1	98.5	98.6	98.6	98.8	98.8	99.0	99.2
IV 400	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.2	98.4	98.7	98.8	98.8	99.1	99.1	99.4	99.6
IV 300	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.2	98.5	98.8	98.9	98.9	99.2	99.2	99.6	99.8
IV 200	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.6	99.9
IV 100	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.6	99.9
IV 0	71.0	87.7	91.5	93.9	96.1	96.7	97.5	98.3	98.5	98.8	99.0	99.0	99.2	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2517

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	55.5	59.9	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 20000	63.5	69.1	69.7	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 18000	63.6	69.2	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 16000	63.6	69.3	69.8	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	64.2	69.9	70.5	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	66.2	72.3	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 10000	68.1	74.6	75.3	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 9000	69.7	76.2	76.9	77.2	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 8000	72.1	78.9	79.6	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 7000	73.7	81.2	82.0	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	74.5	82.4	83.2	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 5000	76.2	84.7	85.6	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	76.6	85.4	86.2	86.7	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	77.3	86.6	87.5	88.0	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	77.8	87.2	88.1	88.6	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	78.2	87.7	88.6	89.2	89.6	89.7	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	78.8	88.7	89.7	90.3	90.7	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	79.7	90.1	91.1	91.8	92.3	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	79.9	90.4	91.4	92.1	92.6	92.8	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	80.8	91.5	92.6	93.3	94.0	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	81.6	92.7	94.0	94.7	95.4	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1000	82.0	93.7	95.2	95.9	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	82.2	94.0	95.5	96.3	97.1	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 800	82.3	94.4	95.9	96.9	97.8	98.1	98.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	82.5	94.7	96.2	97.4	98.4	98.7	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	82.6	94.8	96.3	97.6	98.6	99.0	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	82.6	94.8	96.5	97.7	98.7	99.1	99.6	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2538

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	59.9	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 20000	68.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	68.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	68.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 14000	69.3	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	71.1	74.5	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 10000	73.9	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 9000	75.0	78.8	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	76.4	80.6	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 7000	78.2	82.6	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 6000	79.0	83.5	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 5000	81.1	85.8	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	81.9	86.7	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 4000	83.9	89.1	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 3500	84.4	90.0	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	85.3	91.4	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	86.7	93.3	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
IV 2000	87.8	94.7	95.4	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	88.0	95.1	95.8	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	88.4	95.8	96.5	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	88.9	96.7	97.6	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	89.2	97.1	98.1	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	89.2	97.2	98.1	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	89.3	97.2	98.2	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	89.3	97.3	98.3	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	89.3	97.3	98.3	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	89.3	97.3	98.3	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	89.3	97.4	98.4	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2533

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURLS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.4	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	73.8	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 18000	73.9	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
16000	74.1	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 14000	74.7	77.0	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
12000	75.8	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 10000	78.4	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
9000	79.4	82.5	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 8000	80.9	84.2	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
7000	81.8	85.5	85.8	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 6000	82.8	86.6	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
5000	84.3	88.3	88.7	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 4500	85.3	89.4	89.9	90.1	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
4000	88.2	92.9	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 3500	88.7	93.7	94.2	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3000	89.6	94.9	95.3	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 2500	90.4	95.8	96.4	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2000	91.0	96.6	97.2	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1800	91.0	96.8	97.4	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1500	91.5	97.4	98.1	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	91.7	97.7	98.6	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1000	91.8	97.8	98.7	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	91.8	97.8	98.8	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	91.8	97.8	98.8	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	91.8	97.8	98.8	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
400	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	91.8	97.9	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2495

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45,47-49,56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS(LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	66.2	68.8	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 20000	76.2	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 18000	76.3	79.6	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 16000	76.4	79.7	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 14000	76.5	79.8	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 12000	77.4	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 10000	79.2	83.0	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 9000	80.1	84.2	84.5	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 8000	81.9	86.3	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 7000	83.0	87.7	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 6000	84.0	88.8	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 5000	85.8	90.7	91.0	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 4500	86.5	91.6	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4000	87.8	93.5	93.9	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3500	88.2	94.1	94.4	95.0	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 3000	88.9	94.9	95.4	96.0	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2500	89.1	95.1	95.6	96.3	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	89.6	95.8	96.4	97.1	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	89.8	96.1	96.7	97.5	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	90.1	96.6	97.2	98.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	90.1	96.7	97.3	98.2	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	90.2	96.9	97.5	98.4	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	90.2	96.9	97.5	98.4	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	90.2	96.9	97.5	98.4	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	90.2	97.0	97.6	98.5	99.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	90.2	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	90.2	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	90.2	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	90.3	97.0	97.7	98.5	99.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS. 2323

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

29-45,48-49,56-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.0	74.6	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 20000	77.1	81.2	81.4	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 13000	77.2	81.2	81.5	81.5	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 6000	77.3	81.3	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 14000	77.8	81.9	82.1	82.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 12000	78.7	83.1	83.4	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 10000	80.2	84.8	85.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	80.9	86.3	86.7	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 8000	82.6	88.1	88.5	88.6	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 7000	83.7	89.8	90.2	90.3	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 6000	84.3	90.4	90.8	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 5000	85.9	92.2	92.6	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	86.5	92.8	93.3	93.6	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 4000	87.1	93.7	94.3	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 3500	87.4	94.3	94.9	95.4	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 3000	87.9	95.1	95.7	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 2500	88.1	95.2	95.9	96.5	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 2000	88.3	95.7	96.5	97.2	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	88.3	95.7	96.5	97.3	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1500	88.6	96.0	96.8	97.6	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	88.9	96.4	97.3	98.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	89.1	96.8	97.7	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	89.1	96.9	97.8	98.8	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	89.1	96.9	97.8	98.8	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	89.1	96.9	97.8	98.8	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	89.1	96.9	97.8	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	89.1	96.9	97.8	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	89.1	96.9	97.8	99.0	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.1	96.9	97.8	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2255

MOORE BUSINESS FORMS INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.4	69.6	70.0	70.3	70.4	70.4	70.6	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.1	71.1
IV 20000	69.0	73.5	74.1	74.3	74.5	74.6	74.8	74.9	74.9	75.1	75.1	75.1	75.2	75.2	75.2	75.3
IV 18000	69.0	73.5	74.1	74.4	74.6	74.6	74.8	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3
IV 16000	69.0	73.5	74.1	74.4	74.6	74.6	74.8	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.3	75.3
IV 14000	69.3	74.0	74.5	74.8	75.0	75.1	75.3	75.3	75.3	75.6	75.6	75.6	75.7	75.7	75.7	75.7
IV 12000	71.1	75.8	76.4	76.7	76.9	76.9	77.1	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.6	77.6
IV 10000	72.1	77.1	77.8	78.1	78.4	78.5	78.6	78.7	78.7	78.9	79.0	79.0	79.0	79.0	79.1	79.1
IV 9000	72.7	77.9	78.6	78.9	79.2	79.3	79.4	79.5	79.5	79.8	79.8	79.8	79.8	79.8	79.9	79.9
IV 8000	73.6	79.3	80.0	80.4	80.7	80.8	81.0	81.0	81.0	81.3	81.3	81.3	81.4	81.4	81.4	81.4
IV 7000	74.6	80.6	81.4	81.8	82.2	82.2	82.4	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.9	82.9
IV 6000	75.6	81.9	82.7	83.1	83.5	83.5	83.7	83.8	83.8	84.0	84.1	84.1	84.1	84.1	84.2	84.2
IV 5000	77.3	84.4	85.3	85.7	86.1	86.1	86.4	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.9
IV 4500	77.7	84.8	85.7	86.1	86.5	86.6	86.8	87.0	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.4
IV 4000	78.7	86.4	87.4	87.8	88.2	88.3	88.5	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.1
IV 3500	79.1	87.1	88.2	88.7	89.2	89.2	89.5	89.6	89.6	89.9	89.9	89.9	89.9	89.9	90.0	90.0
IV 3000	79.8	88.2	89.5	90.1	90.7	90.7	91.1	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.6
IV 2500	80.0	88.7	90.0	90.7	91.3	91.3	91.6	91.8	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.2
IV 2000	80.6	90.0	91.4	92.0	92.9	92.9	93.2	93.4	93.4	93.6	93.7	93.7	93.7	93.7	93.8	93.8
IV 1800	80.9	90.3	91.6	92.3	93.2	93.2	93.5	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.1	94.1
IV 1500	81.3	90.9	92.4	93.1	94.0	94.0	94.3	94.5	94.5	94.8	94.8	94.8	94.9	94.9	94.9	95.0
IV 1200	81.7	92.0	93.7	94.5	95.4	95.5	95.8	96.0	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.5
IV 1000	82.1	92.8	94.6	95.4	96.3	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.4
IV 900	82.2	93.0	94.7	95.5	96.5	96.5	96.9	97.1	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.6
IV 800	82.3	93.1	94.9	95.8	96.8	96.8	97.2	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8
IV 700	82.3	93.2	95.0	95.9	97.0	97.1	97.5	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2
IV 600	82.4	93.7	95.5	96.5	97.6	97.7	98.1	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.8	98.8
IV 500	82.4	93.8	95.6	96.7	97.9	98.0	98.4	98.6	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.2
IV 400	82.4	93.8	95.6	96.8	98.0	98.1	98.5	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.3	99.4
IV 300	82.4	93.8	95.6	96.8	98.0	98.1	98.7	98.9	98.9	99.4	99.4	99.4	99.5	99.5	99.6	99.6
IV 200	82.4	93.8	95.6	96.8	98.1	98.2	98.7	99.0	99.1	99.6	99.6	99.6	99.7	99.7	99.8	99.8
IV 100	82.4	93.8	95.6	96.8	98.1	98.2	98.7	99.0	99.1	99.6	99.6	99.7	99.8	99.8	99.9	99.9
IV 0	82.4	93.8	95.6	96.8	98.1	98.2	98.7	99.0	99.1	99.6	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2247

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	59.9	65.5	66.3	66.8	67.3	67.3	67.8	67.9	67.9	68.3	68.3	68.3	68.6	68.6	68.8	69.1
IV 20000	63.3	69.3	70.2	70.7	71.2	71.3	71.7	71.8	71.8	72.2	72.3	72.3	72.5	72.5	72.8	73.1
IV 18000	63.4	69.3	70.3	70.7	71.3	71.4	71.8	71.9	71.9	72.3	72.4	72.4	72.6	72.6	72.8	73.2
IV 16000	63.5	69.4	70.4	70.8	71.4	71.4	71.9	72.0	72.0	72.4	72.5	72.5	72.7	72.7	72.9	73.2
IV 14000	63.7	69.6	70.5	71.0	71.6	71.6	72.1	72.2	72.2	72.6	72.6	72.6	72.8	72.8	73.1	73.4
IV 12000	65.2	71.2	72.3	72.8	73.3	73.4	73.8	73.9	73.9	74.3	74.4	74.4	74.6	74.6	74.9	75.2
IV 10000	66.4	72.7	73.8	74.3	75.0	75.0	75.5	75.6	75.6	76.0	76.0	76.0	76.3	76.3	76.5	76.8
IV 9000	66.8	73.2	74.3	74.8	75.5	75.5	76.0	76.1	76.1	76.5	76.5	76.5	76.7	76.7	77.0	77.3
IV 8000	68.8	75.6	76.7	77.3	78.0	78.1	78.5	78.7	78.7	79.1	79.1	79.1	79.3	79.3	79.6	79.9
IV 7000	69.3	76.4	77.5	78.1	79.0	79.1	79.5	79.6	79.6	80.0	80.1	80.1	80.3	80.3	80.5	80.8
IV 6000	70.5	77.8	79.1	79.7	80.5	80.6	81.0	81.2	81.2	81.5	81.6	81.6	81.8	81.8	82.1	82.4
IV 5000	72.1	80.1	81.5	82.1	83.0	83.0	83.5	83.6	83.6	84.0	84.1	84.1	84.2	84.3	84.6	84.9
IV 4500	72.5	80.5	81.9	82.5	83.4	83.4	83.9	84.0	84.0	84.4	84.5	84.5	84.7	84.7	85.0	85.3
IV 4000	73.0	81.6	83.2	84.0	84.9	84.9	85.4	85.5	85.5	85.9	86.0	86.0	86.2	86.2	86.4	86.8
IV 3500	73.3	82.2	83.8	84.7	85.7	85.7	86.2	86.3	86.3	86.7	86.8	86.8	87.0	87.0	87.2	87.5
IV 3000	73.9	83.3	84.9	85.9	86.9	86.9	87.4	87.5	87.5	87.9	88.0	88.0	88.2	88.2	88.5	88.8
IV 2500	74.2	83.9	85.6	86.6	87.7	87.7	88.2	88.3	88.3	88.8	88.8	88.8	89.0	89.0	89.3	89.6
IV 2000	75.0	85.1	87.0	88.1	89.4	89.4	89.9	90.0	90.0	90.5	90.5	90.5	90.7	90.7	91.0	91.3
IV 1800	75.2	85.4	87.2	88.3	89.6	89.7	90.2	90.3	90.3	90.7	90.8	90.8	91.0	91.0	91.3	91.6
IV 1500	75.6	86.4	88.5	89.6	90.9	91.0	91.5	91.6	91.6	92.0	92.1	92.1	92.3	92.3	92.6	92.9
IV 1200	76.0	87.4	89.7	90.9	92.3	92.3	92.8	92.9	92.9	93.4	93.4	93.4	93.7	93.7	93.9	94.2
IV 1000	76.2	88.0	90.5	91.6	93.2	93.3	93.8	93.9	93.9	94.5	94.5	94.5	94.8	94.8	95.1	95.4
IV 900	76.3	88.5	91.1	92.3	93.9	93.9	94.4	94.6	94.6	95.1	95.2	95.2	95.5	95.5	95.7	96.0
IV 800	76.3	88.7	91.4	92.6	94.2	94.4	94.9	95.0	95.1	95.7	95.7	95.7	96.0	96.0	96.2	96.5
IV 700	76.5	89.0	91.8	93.1	94.8	94.9	95.5	95.6	95.7	96.3	96.3	96.3	96.6	96.6	96.9	97.2
IV 600	76.5	89.3	92.3	93.7	95.3	95.4	96.0	96.1	96.2	96.8	96.8	96.8	97.2	97.2	97.4	97.7
IV 500	76.5	89.4	92.5	94.1	95.8	95.9	96.5	96.6	96.7	97.4	97.5	97.5	97.8	97.8	98.0	98.3
IV 400	76.6	89.6	92.7	94.4	96.2	96.4	97.0	97.1	97.2	97.9	98.0	98.0	98.3	98.3	98.6	98.9
IV 300	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.5	97.6	98.3	98.4	98.4	98.8	98.8	99.0	99.4
IV 200	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.6	97.6	98.3	98.4	98.4	98.8	98.8	99.1	99.5
IV 100	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.6	97.6	98.3	98.4	98.4	98.8	98.8	99.1	99.5
IV 0	76.6	89.6	92.8	94.5	96.3	96.5	97.2	97.6	97.6	98.3	98.4	98.4	98.8	98.8	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS 2287

FD-302 (REV. 11-29-60) MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FOPT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.7	54.8	56.3	57.2	57.8	57.9	58.2	58.2	58.2	58.4	58.5	58.5	58.8	58.8	59.1	59.4
IV 20000	50.0	60.4	62.4	63.5	64.2	64.3	64.7	64.7	64.7	64.9	65.0	65.0	65.3	65.3	65.5	65.8
IV 18000	50.0	60.5	62.4	63.6	64.3	64.4	64.7	64.8	64.8	64.9	65.0	65.0	65.3	65.3	65.6	65.9
IV 16000	50.0	60.5	62.5	63.6	64.3	64.4	64.8	64.8	64.8	65.0	65.0	65.0	65.4	65.4	65.6	65.9
IV 14000	50.3	60.8	62.7	63.9	64.6	64.7	65.0	65.1	65.1	65.2	65.3	65.3	65.6	65.6	65.9	66.2
IV 12000	51.7	62.4	64.4	65.6	66.4	66.5	66.9	66.9	66.9	67.1	67.1	67.2	67.5	67.5	67.7	68.1
IV 10000	53.1	64.0	66.0	67.2	68.1	68.2	68.6	68.6	68.6	68.8	68.9	69.0	69.3	69.3	69.6	69.9
IV 9000	53.6	64.7	66.7	67.9	68.8	68.9	69.2	69.3	69.3	69.5	69.6	69.6	70.0	70.0	70.3	70.6
IV 8000	55.9	67.4	69.6	70.9	71.8	71.9	72.2	72.3	72.3	72.5	72.6	72.6	73.0	73.0	73.2	73.6
IV 7000	57.2	69.0	71.3	72.6	73.6	73.8	74.2	74.3	74.3	74.5	74.7	74.7	75.0	75.0	75.3	75.6
IV 6000	58.5	70.6	73.0	74.3	75.3	75.5	75.9	75.9	76.0	76.2	76.4	76.4	76.7	76.7	77.0	77.3
IV 5000	59.9	72.8	75.3	76.8	77.8	78.0	78.5	78.5	78.5	78.8	78.9	78.9	79.3	79.3	79.6	79.9
IV 4500	60.2	73.1	75.7	77.1	78.1	78.3	78.8	78.8	78.9	79.1	79.2	79.3	79.6	79.6	79.9	80.2
IV 4000	61.2	74.8	77.4	78.8	80.0	80.2	80.7	80.8	80.8	81.0	81.2	81.2	81.6	81.6	81.9	82.2
IV 3500	61.5	75.2	77.8	79.3	80.5	80.8	81.3	81.4	81.4	81.6	81.8	81.8	82.2	82.2	82.5	82.8
IV 3000	62.1	76.5	79.2	80.8	82.1	82.5	83.1	83.1	83.1	83.4	83.5	83.5	83.9	83.9	84.2	84.5
IV 2500	62.7	77.6	80.4	82.1	83.3	83.7	84.3	84.4	84.4	84.6	84.8	84.8	85.2	85.2	85.4	85.8
IV 2000	63.6	79.0	81.9	83.8	85.1	85.4	86.1	86.1	86.2	86.5	86.6	86.7	87.0	87.0	87.3	87.6
IV 1800	64.0	79.5	82.4	84.4	85.7	86.0	86.7	86.7	86.8	87.1	87.2	87.3	87.6	87.6	87.9	88.2
IV 1500	64.3	80.3	83.3	85.2	86.6	86.9	87.7	87.7	87.8	88.1	88.2	88.2	88.6	88.6	88.9	89.2
IV 1200	65.1	81.9	85.0	87.0	88.4	88.7	89.6	89.7	89.7	90.0	90.1	90.2	90.5	90.5	90.8	91.1
IV 1000	65.6	82.9	86.4	88.6	90.2	90.5	91.5	91.5	91.6	91.9	92.1	92.1	92.5	92.5	92.8	93.1
IV 900	65.7	83.5	87.0	89.2	90.9	91.3	92.3	92.3	92.4	92.8	92.9	93.0	93.3	93.3	93.6	93.9
IV 800	65.9	83.7	87.5	89.9	91.6	92.0	93.0	93.0	93.1	93.5	93.7	93.7	94.1	94.1	94.4	94.7
IV 700	66.0	84.0	87.7	90.1	92.0	92.3	93.3	93.3	93.7	94.1	94.3	94.3	94.7	94.7	95.0	95.3
IV 600	66.2	84.5	88.3	90.7	92.6	93.0	94.3	94.3	94.5	95.0	95.2	95.2	95.6	95.6	95.9	96.2
IV 500	66.2	84.8	88.7	91.2	93.3	93.8	95.2	95.2	95.5	96.0	96.2	96.3	96.6	96.6	97.0	97.4
IV 400	66.3	85.0	89.0	91.6	93.9	94.4	95.9	96.1	96.2	96.8	97.1	97.2	97.6	97.6	98.0	98.3
IV 300	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.1	98.1	98.5	99.0
IV 200	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.2	98.3	98.9	99.5
IV 100	66.3	85.0	89.0	91.6	93.9	94.5	96.0	96.2	96.4	97.2	97.6	97.7	98.2	98.3	98.9	99.6
IV 0	66.3	85.0	89.1	91.6	94.0	94.5	96.0	96.3	96.4	97.2	97.7	97.9	98.3	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2474

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.0	58.2	58.9	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 20000	58.4	64.6	65.5	65.8	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
IV 18000	58.4	64.6	65.6	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	58.4	64.7	65.6	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	58.7	65.1	66.0	66.3	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7
IV 12000	60.2	66.8	67.7	68.1	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5
IV 10000	62.0	69.0	69.9	70.3	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8
IV 9000	62.6	69.8	70.7	71.1	71.4	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6
IV 8000	65.2	73.1	74.3	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 7000	66.0	74.5	75.7	76.1	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6
IV 6000	66.3	75.1	76.4	76.9	77.2	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	67.6	76.6	78.0	78.5	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
IV 4500	67.9	77.1	78.5	79.0	79.4	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	68.9	78.6	80.1	80.6	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	69.5	79.5	80.9	81.5	81.9	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	70.5	81.1	82.5	83.2	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 2500	71.4	82.3	83.9	84.5	84.9	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
IV 2000	72.6	84.3	86.1	86.8	87.3	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 1800	73.0	84.9	86.8	87.5	88.0	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
IV 1500	73.5	86.0	88.0	88.8	89.5	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	74.6	87.8	90.0	91.0	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	75.1	89.3	91.6	92.8	93.9	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	75.2	89.6	92.1	93.4	94.6	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 800	75.4	90.3	92.8	94.2	95.5	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	75.5	90.5	93.1	94.6	96.0	96.4	96.7	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	75.7	91.0	93.8	95.4	96.9	97.4	97.8	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	75.7	91.2	94.4	95.9	97.5	98.1	98.8	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	75.7	91.2	94.4	95.9	97.6	98.2	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	75.7	91.2	94.4	95.9	97.6	98.2	99.0	99.2	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	75.7	91.2	94.4	96.0	97.7	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	75.7	91.2	94.4	96.0	97.7	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	75.7	91.2	94.4	96.0	97.7	98.3	99.0	99.3	99.4	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2514

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

EURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49-56-72  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.9	59.3	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 2000*	65.0	68.1	68.4	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 18000	65.1	68.1	68.5	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 16000	65.1	68.1	68.5	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	65.4	68.5	68.9	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 12000	66.6	70.0	70.4	70.7	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	68.9	72.0	72.4	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 9000	69.0	72.4	72.8	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 8000	70.7	74.8	75.2	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 7000	71.6	76.0	76.4	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000	72.2	77.0	77.4	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 5000	73.4	78.4	78.9	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	74.1	79.1	79.6	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4000	75.6	81.1	81.6	82.2	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	76.3	82.0	82.6	83.2	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3000	78.0	84.5	85.0	85.7	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	78.8	85.7	86.4	87.1	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	80.9	88.4	89.4	90.2	90.7	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	81.3	89.2	90.2	90.9	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	82.0	90.5	91.6	92.4	93.2	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1200	82.9	92.1	93.3	94.1	95.0	95.1	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	83.4	93.3	94.6	95.5	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	83.4	93.8	95.2	96.1	97.3	97.5	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	83.5	94.2	95.6	96.7	98.0	98.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	83.5	94.2	95.8	96.8	98.1	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	83.6	94.4	96.2	97.4	98.7	99.0	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	83.6	94.5	96.4	97.6	99.0	99.2	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2518

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING ≥ 20000	58.6	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000 16000	66.6	69.9	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6
IV 14000 12000	67.3	70.6	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4
IV 10000 9000	71.3	75.1	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9
IV 8000 7000	73.9	78.3	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1
IV 6000 5000	76.1	80.9	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8
IV 4500 4000	77.5	82.7	83.2	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7
IV 3500 3000	81.2	87.5	87.9	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6
IV 2500 2000	83.3	90.3	90.8	91.1	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8
IV 1800 1500	84.9	92.6	93.1	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2
IV 1200 1000	86.0	94.8	95.6	96.1	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
IV 900 800	86.2	95.9	96.8	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5
IV 700 600	86.2	96.0	97.0	97.7	98.4	98.5	98.8	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.2
IV 500 400	86.2	96.1	97.2	98.1	98.8	98.9	99.4	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8
IV 300 200	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0
IV 100 0	86.2	96.1	97.2	98.1	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2497

SPEEDLO MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45,47-49,56-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.6	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 20000	70.3	73.8	74.1	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5
IV 18000	70.5	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	70.7	74.3	74.5	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 14000	71.2	75.0	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 12000	72.4	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	74.7	79.1	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	75.1	79.6	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	76.7	81.4	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	78.4	83.2	83.6	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 6000	79.8	84.7	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6
IV 5000	80.8	85.9	86.4	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
IV 4500	81.4	86.8	87.3	87.6	87.8	87.9	87.9	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1
IV 4000	82.4	88.5	89.2	89.5	89.8	89.8	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500	83.0	89.4	90.2	90.5	90.9	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 3000	83.7	90.6	91.4	91.8	92.2	92.2	92.2	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	84.2	91.3	92.1	92.5	93.0	93.0	93.0	93.2	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5
IV 2000	84.6	92.3	93.3	93.7	94.3	94.4	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8
IV 1800	84.6	92.5	93.6	94.1	94.7	94.8	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	85.0	93.3	94.4	95.0	95.7	95.8	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	85.4	94.1	95.3	95.8	96.5	96.7	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2
IV 1000	85.7	95.0	96.1	96.8	97.7	97.9	98.1	98.2	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.6
IV 900	85.8	95.0	96.2	96.9	97.8	97.9	98.2	98.3	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.7
IV 800	85.9	95.2	96.3	97.4	98.2	98.4	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.3	99.3	99.4
IV 700	85.9	95.3	96.4	97.4	98.4	98.5	98.9	99.0	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.5
IV 600	85.9	95.3	96.5	97.5	98.5	98.7	99.0	99.1	99.1	99.1	99.3	99.4	99.4	99.6	99.6	99.6
IV 500	85.9	95.3	96.5	97.5	98.6	98.8	99.1	99.2	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.8
IV 400	85.9	95.3	96.5	97.5	98.6	98.8	99.2	99.3	99.3	99.3	99.5	99.6	99.6	99.8	99.8	99.9
IV 300	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	99.9
IV 200	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.4	99.6	99.7	99.7	99.9	99.9	100.0
IV 100	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0
IV 0	85.9	95.3	96.5	97.5	98.7	98.9	99.3	99.4	99.4	99.4	99.6	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2340

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.4	70.7	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 20000	72.5	76.2	76.6	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 18000	72.7	76.4	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 16000	72.8	76.5	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 14000	73.1	76.8	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 12000	74.0	77.9	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 10000	76.1	80.7	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 9000	76.7	81.3	81.7	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 8000	78.0	82.9	83.3	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 7000	79.1	84.2	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 6000	80.2	85.5	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 5000	81.5	87.2	87.9	88.2	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4500	82.1	87.8	88.6	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 4000	83.6	89.7	90.7	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3500	84.0	90.5	91.5	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	84.7	91.7	92.8	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	84.9	92.2	93.3	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2000	85.1	92.7	93.9	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800	85.2	92.9	94.1	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	85.5	93.6	94.8	95.3	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	85.7	94.1	95.5	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	86.4	95.2	96.6	97.2	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	86.4	95.2	96.7	97.4	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	86.4	95.5	97.0	97.7	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	86.5	95.6	97.0	97.8	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	86.6	95.7	97.3	98.0	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	86.6	95.8	97.5	98.2	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2271

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

39-45,47-49,56-70  
 YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.7	70.0	70.7	71.3	71.7	71.7	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 20000	67.6	73.7	74.5	75.1	75.5	75.5	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.4
IV 18000	67.6	73.7	74.5	75.1	75.5	75.5	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.1	76.4
IV 16000	67.6	73.8	74.5	75.2	75.5	75.6	75.7	75.7	75.7	75.9	76.0	76.0	76.0	76.0	76.2	76.4
IV 14000	67.7	73.9	74.7	75.3	75.7	75.8	75.9	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.4	76.6
IV 12000	68.8	75.2	75.9	76.6	77.0	77.0	77.1	77.1	77.1	77.3	77.4	77.4	77.4	77.4	77.6	77.9
IV 10000	70.6	77.2	77.9	78.6	78.9	79.0	79.1	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.6	79.8
IV 9000	71.1	77.6	78.4	79.0	79.4	79.5	79.6	79.6	79.6	79.8	79.9	79.9	79.9	79.9	80.1	80.3
IV 8000	72.2	79.0	79.7	80.4	80.8	80.9	81.0	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.5	81.7
IV 7000	73.1	80.2	80.9	81.7	82.0	82.1	82.2	82.2	82.2	82.4	82.5	82.5	82.5	82.5	82.7	82.9
IV 6000	73.9	81.6	82.4	83.2	83.5	83.6	83.7	83.7	83.7	83.9	84.0	84.0	84.0	84.0	84.2	84.5
IV 5000	75.2	83.5	84.6	85.4	85.9	85.9	86.0	86.1	86.1	86.3	86.4	86.4	86.4	86.4	86.6	86.8
IV 4500	75.6	84.1	85.3	86.2	86.6	86.6	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.3	87.6
IV 4000	76.4	85.1	86.5	87.3	87.8	87.9	88.0	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.5	88.8
IV 3500	77.0	85.9	87.3	88.2	88.7	88.8	88.9	88.9	88.9	89.1	89.2	89.2	89.2	89.2	89.4	89.7
IV 3000	77.9	87.0	88.7	89.8	90.2	90.3	90.4	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.9	91.2
IV 2500	78.6	87.9	89.6	90.7	91.2	91.3	91.4	91.4	91.4	91.6	91.7	91.7	91.7	91.7	91.9	92.2
IV 2000	79.3	88.9	90.7	91.8	92.4	92.5	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	93.1	93.4
IV 1800	79.7	89.3	91.1	92.2	92.8	92.9	93.0	93.0	93.0	93.2	93.3	93.3	93.3	93.3	93.5	93.8
IV 1500	80.1	89.8	91.7	92.8	93.5	93.5	93.7	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.2	94.4
IV 1200	80.5	90.4	92.5	93.9	94.6	94.6	94.7	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.3	95.5
IV 1000	80.7	91.1	93.4	94.7	95.5	95.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.2	96.5
IV 900	80.9	91.4	93.7	95.1	96.0	96.0	96.2	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.7	97.0
IV 800	81.1	91.6	94.0	95.6	96.4	96.5	96.7	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.2	97.5
IV 700	81.1	91.8	94.3	96.0	96.9	97.0	97.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.8	98.1
IV 600	81.1	91.9	94.5	96.2	97.2	97.2	97.6	97.6	97.6	97.8	97.9	97.9	97.9	98.0	98.1	98.4
IV 500	81.1	91.9	94.5	96.3	97.3	97.4	97.8	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.6	98.9
IV 400	81.1	92.0	94.6	96.4	97.5	97.5	98.0	98.1	98.2	98.5	98.6	98.6	98.6	98.7	98.8	99.1
IV 300	81.1	92.0	94.6	96.4	97.5	97.6	98.1	98.2	98.2	98.7	98.8	98.8	98.8	98.8	99.0	99.3
IV 200	81.1	92.0	94.6	96.5	97.5	97.6	98.2	98.3	98.4	98.8	99.1	99.1	99.2	99.2	99.4	99.7
IV 100	81.1	92.0	94.6	96.5	97.5	97.6	98.2	98.3	98.4	98.8	99.1	99.2	99.2	99.3	99.5	99.7
IV 0	81.1	92.0	94.6	96.5	97.5	97.6	98.2	98.3	98.4	98.8	99.2	99.2	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2322

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.5	65.5	67.1	68.1	68.7	68.7	69.0	69.0	69.0	69.4	69.6	69.6	69.8	69.8	70.0	70.4
IV 20000	62.8	69.3	71.0	72.0	72.6	72.6	73.0	73.0	73.0	73.4	73.6	73.6	73.9	73.9	74.0	74.4
IV 18000	62.8	69.3	71.0	72.0	72.6	72.6	73.0	73.0	73.0	73.4	73.6	73.6	73.9	73.9	74.0	74.4
IV 16000	62.9	69.5	71.1	72.1	72.8	72.8	73.1	73.1	73.1	73.5	73.7	73.7	74.0	74.0	74.2	74.5
IV 14000	63.3	69.9	71.6	72.6	73.2	73.2	73.6	73.6	73.6	74.0	74.2	74.2	74.5	74.5	74.6	75.0
IV 12000	64.4	71.3	73.0	74.0	74.6	74.6	75.0	75.0	75.0	75.4	75.6	75.6	75.9	75.9	76.0	76.4
IV 10000	65.8	72.9	74.6	75.6	76.3	76.3	76.7	76.7	76.7	77.1	77.3	77.3	77.6	77.6	77.7	78.1
IV 9000	66.2	73.4	75.1	76.2	76.8	76.8	77.2	77.2	77.2	77.6	77.8	77.8	78.1	78.1	78.2	78.6
IV 8000	67.1	74.9	76.6	77.6	78.3	78.3	78.6	78.7	78.7	79.1	79.3	79.3	79.6	79.6	79.8	80.1
IV 7000	68.2	76.3	78.1	79.1	79.8	79.8	80.1	80.2	80.3	80.6	80.9	80.9	81.2	81.2	81.3	81.7
IV 6000	69.5	78.0	79.9	81.0	81.7	81.7	82.0	82.1	82.1	82.5	82.7	82.7	83.0	83.0	83.1	83.5
IV 5000	70.4	79.3	81.4	82.5	83.2	83.2	83.5	83.6	83.7	84.0	84.2	84.2	84.5	84.5	84.7	85.0
IV 4500	71.0	80.1	82.3	83.4	84.1	84.1	84.4	84.5	84.5	84.9	85.1	85.1	85.4	85.4	85.6	85.9
IV 4000	71.6	80.9	83.2	84.3	85.0	85.0	85.4	85.5	85.5	85.9	86.1	86.1	86.4	86.4	86.5	86.9
IV 3500	72.2	81.6	84.0	85.1	85.9	85.9	86.2	86.3	86.4	86.7	87.0	87.0	87.3	87.3	87.4	87.8
IV 3000	72.8	82.5	84.9	86.1	86.8	86.8	87.3	87.3	87.4	87.8	88.0	88.0	88.3	88.3	88.4	88.8
IV 2500	73.3	83.4	85.9	87.1	87.8	87.8	88.2	88.3	88.4	88.7	88.9	88.9	89.2	89.2	89.4	89.8
IV 2000	74.2	84.6	87.3	88.6	89.4	89.4	89.8	89.9	90.0	90.3	90.6	90.6	90.9	90.9	91.0	91.4
IV 1800	74.6	85.2	87.9	89.4	90.1	90.1	90.6	90.6	90.7	91.1	91.3	91.3	91.6	91.6	91.7	92.1
IV 1500	75.2	86.2	89.0	90.5	91.2	91.2	91.7	91.7	91.8	92.2	92.4	92.4	92.7	92.7	92.8	93.2
IV 1200	75.5	86.9	89.9	91.4	92.2	92.2	92.7	92.8	92.8	93.2	93.4	93.4	93.7	93.7	93.9	94.2
IV 1000	75.7	87.3	90.5	92.0	93.0	93.0	93.5	93.6	93.6	94.0	94.3	94.3	94.6	94.6	94.7	95.1
IV 900	75.9	87.8	91.1	92.7	93.9	94.0	94.5	94.6	94.6	95.0	95.3	95.3	95.6	95.6	95.7	96.1
IV 800	76.1	88.3	91.7	93.3	94.6	94.7	95.2	95.3	95.3	95.8	96.0	96.0	96.3	96.3	96.4	96.8
IV 700	76.3	88.5	91.9	93.6	95.2	95.3	95.8	95.9	96.0	96.4	96.7	96.7	97.0	97.0	97.1	97.5
IV 600	76.4	88.7	92.1	94.0	95.6	95.6	96.2	96.4	96.4	96.9	97.1	97.1	97.4	97.4	97.5	97.9
IV 500	76.4	88.9	92.4	94.4	96.1	96.2	96.8	97.0	97.0	97.6	97.8	97.8	98.1	98.1	98.3	98.6
IV 400	76.4	89.0	92.5	94.4	96.3	96.4	97.0	97.1	97.2	97.8	98.1	98.1	98.5	98.5	98.6	99.0
IV 300	76.4	89.1	92.5	94.5	96.4	96.5	97.1	97.2	97.3	97.9	98.2	98.2	98.6	98.6	98.8	99.1
IV 200	76.4	89.1	92.5	94.5	96.5	96.6	97.2	97.3	97.4	98.0	98.3	98.3	98.7	98.7	98.9	99.2
IV 100	76.4	89.1	92.5	94.5	96.5	96.6	97.2	97.3	97.4	98.1	98.4	98.4	98.8	98.8	99.0	99.3
IV 0	76.4	89.1	92.5	94.5	96.5	96.6	97.2	97.3	97.4	98.2	98.5	98.5	98.9	98.9	99.2	99.5

TOTAL NUMBER OF OBSERVATIONS 2361

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

38-49,56-72  
 YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	47.3	55.2	57.0	58.6	59.8	59.9	60.1	60.4	60.4	60.9	61.0	61.0	61.3	61.4	61.5	62.0
≥ 20000	52.3	61.3	63.1	64.8	66.2	66.3	66.5	66.8	66.8	67.3	67.5	67.5	67.9	68.0	68.1	68.5
18000	52.3	61.4	63.2	64.9	66.3	66.4	66.6	66.9	66.9	67.4	67.6	67.6	68.0	68.1	68.2	68.6
16000	52.3	61.4	63.2	64.9	66.3	66.4	66.6	66.9	66.9	67.4	67.6	67.6	68.0	68.1	68.2	68.6
14000	52.6	61.8	63.7	65.5	66.8	66.9	67.2	67.5	67.5	68.0	68.2	68.2	68.6	68.7	68.8	69.2
12000	54.2	63.5	65.4	67.3	68.6	68.7	68.9	69.2	69.2	69.8	70.0	70.0	70.3	70.4	70.5	71.0
10000	56.0	65.5	67.3	69.3	70.6	70.7	71.0	71.2	71.2	71.8	72.0	72.0	72.4	72.5	72.6	73.0
9000	56.5	66.2	68.0	70.0	71.3	71.4	71.7	72.0	72.0	72.5	72.7	72.7	73.1	73.2	73.3	73.7
8000	58.8	68.9	71.0	73.0	74.5	74.6	74.9	75.1	75.1	75.7	75.9	75.9	76.3	76.4	76.5	76.9
7000	59.9	70.3	72.5	74.5	76.0	76.1	76.4	76.7	76.7	77.2	77.5	77.5	77.9	77.9	78.1	78.5
6000	60.8	71.6	73.9	75.9	77.5	77.6	77.9	78.1	78.1	78.7	78.9	78.9	79.3	79.4	79.5	79.9
5000	62.1	73.2	75.8	77.9	79.6	79.7	79.9	80.2	80.2	80.8	81.0	81.0	81.4	81.5	81.6	82.0
4500	62.4	73.7	76.3	78.4	80.1	80.2	80.5	80.7	80.7	81.3	81.5	81.5	81.9	82.0	82.1	82.5
4000	62.9	74.6	77.2	79.4	81.0	81.2	81.4	81.7	81.7	82.3	82.5	82.5	82.9	83.0	83.1	83.5
3500	63.3	75.2	77.8	80.0	81.6	81.7	82.1	82.4	82.4	82.9	83.2	83.2	83.5	83.6	83.7	84.2
3000	63.8	76.2	79.0	81.3	83.0	83.1	83.4	83.7	83.7	84.3	84.5	84.5	84.9	85.0	85.1	85.5
2500	64.1	77.0	79.9	82.2	83.9	84.1	84.4	84.7	84.7	85.3	85.5	85.5	85.9	86.0	86.1	86.5
2000	65.1	78.5	81.4	83.9	85.7	85.9	86.3	86.5	86.5	87.1	87.3	87.3	87.7	87.8	87.9	88.3
1800	66.0	79.6	82.5	85.0	86.8	87.0	87.3	87.6	87.6	88.2	88.4	88.4	88.8	88.9	89.0	89.4
1500	66.8	80.8	84.0	86.6	88.6	88.7	89.1	89.4	89.4	90.0	90.2	90.2	90.6	90.7	90.8	91.2
1200	67.3	81.7	85.2	87.9	89.9	90.0	90.4	90.7	90.7	91.3	91.6	91.6	92.0	92.0	92.2	92.6
1000	67.6	82.7	86.3	89.1	91.2	91.3	91.8	92.1	92.1	92.8	93.0	93.1	93.5	93.5	93.7	94.1
900	67.6	82.9	86.6	89.4	91.6	91.8	92.2	92.6	92.6	93.2	93.5	93.5	93.9	94.0	94.1	94.5
800	67.7	83.4	87.1	90.1	92.4	92.7	93.1	93.6	93.6	94.2	94.5	94.5	94.9	95.0	95.1	95.5
700	67.9	83.7	87.7	90.7	93.2	93.5	94.1	94.6	94.6	95.3	95.5	95.5	95.9	96.0	96.1	96.6
600	67.9	84.0	88.1	91.1	93.7	94.1	94.8	95.3	95.3	96.0	96.3	96.3	96.7	96.8	96.9	97.3
500	67.9	84.1	88.2	91.3	94.0	94.4	95.4	95.9	96.0	96.8	97.1	97.1	97.6	97.6	97.8	98.2
400	68.0	84.1	88.2	91.4	94.1	94.6	95.6	96.2	96.3	97.3	97.5	97.6	98.0	98.1	98.2	98.6
300	68.0	84.2	88.2	91.4	94.2	94.6	95.7	96.3	96.4	97.5	97.8	97.9	98.4	98.5	98.6	99.0
200	68.0	84.2	88.2	91.5	94.2	94.7	95.8	96.4	96.5	97.7	98.2	98.2	98.8	98.9	99.1	99.5
100	68.0	84.2	88.2	91.5	94.2	94.7	95.8	96.4	96.5	97.7	98.2	98.2	98.8	98.9	99.2	99.7
0	68.0	84.2	88.2	91.5	94.2	94.7	95.8	96.4	96.5	97.7	98.2	98.2	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2553

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

0CT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0500-1100  
HOURS - STI

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	59.1	60.2	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 20000	58.6	66.5	67.7	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 18000	58.6	66.6	67.7	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8
IV 16000	58.6	66.6	67.7	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8
IV 14000	59.0	67.2	68.4	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5
IV 12000	60.5	68.8	69.9	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1
IV 10000	62.5	71.0	72.3	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5
IV 9000	63.0	71.6	72.8	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
IV 8000	65.1	74.2	75.8	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0
IV 7000	66.2	75.5	77.3	78.1	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6
IV 6000	67.0	76.6	78.3	79.2	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7
IV 5000	68.0	78.0	79.8	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
IV 4500	68.1	78.1	79.9	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3
IV 4000	68.4	78.7	80.5	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
IV 3500	68.8	79.3	81.2	82.1	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6
IV 3000	69.7	80.6	82.6	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.3
IV 2500	70.6	81.8	83.8	84.8	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5
IV 2000	71.9	83.5	85.7	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7
IV 1800	72.5	84.3	86.5	87.9	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6
IV 1500	73.6	86.2	88.6	90.0	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8
IV 1200	74.5	88.1	90.9	92.5	93.2	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.7
IV 1000	74.7	88.8	91.7	93.6	94.5	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
IV 900	74.8	89.1	92.3	94.4	95.5	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1
IV 800	74.9	89.4	92.9	95.1	96.3	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0
IV 700	74.9	89.5	93.1	95.6	96.8	97.1	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	98.0
IV 600	74.9	89.5	93.1	95.7	97.2	97.4	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6
IV 500	74.9	89.6	93.3	95.9	97.5	97.8	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.2
IV 400	74.9	89.6	93.3	96.0	97.5	97.9	98.5	98.8	99.0	99.1	99.1	99.5	99.5	99.6	99.6	99.7
IV 300	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.2	99.7	99.7	99.7	99.9	99.9	99.9
IV 200	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 100	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.7	99.7	99.7	99.7	99.9	99.9	100.0
IV 0	74.9	89.6	93.3	96.0	97.6	97.9	98.8	99.1	99.2	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2598

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

JCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOUR-ULST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	57.9	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
IV 20000	65.0	70.6	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
IV 18000	65.1	70.6	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
IV 16000	65.2	70.7	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
IV 14000	65.8	71.6	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
IV 12000	67.2	73.0	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	
IV 10000	69.1	75.2	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
IV 9000	69.9	75.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	
IV 8000	71.6	78.1	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	
IV 7000	72.3	79.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	
IV 6000	72.8	79.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
IV 5000	73.7	81.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	
IV 4500	74.3	81.5	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
IV 4000	74.8	82.2	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	
IV 3500	75.7	83.3	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
IV 3000	77.0	85.2	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
IV 2500	78.2	86.7	87.8	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	
IV 2000	79.6	88.4	89.6	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	
IV 1800	79.7	88.7	89.9	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
IV 1500	80.2	89.8	91.3	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	
IV 1200	81.1	91.7	93.4	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
IV 1000	81.3	92.4	94.2	95.4	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
IV 900	81.3	92.9	94.7	95.9	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	
IV 800	81.4	93.2	95.2	96.5	97.3	97.6	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	
IV 700	81.5	93.4	95.5	96.9	97.8	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	
IV 600	81.5	93.6	95.7	97.1	98.1	98.4	98.8	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	
IV 500	81.5	93.7	95.7	97.3	98.3	98.7	99.1	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	
IV 400	81.5	93.7	95.8	97.3	98.4	98.8	99.2	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	
IV 300	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	
IV 200	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	
IV 160	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	
IV 0	81.5	93.7	95.8	97.3	98.5	98.8	99.2	99.5	99.5	99.8	99.8	99.9	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 2588

MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13967  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49, 56-72  
YEARS

UCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≤ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.3	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 20000	68.5	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 18000	68.5	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	68.7	74.0	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 14000	69.1	74.4	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000	70.6	76.0	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 10000	72.1	77.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 9000	72.5	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	74.6	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 7000	75.7	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	76.9	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 5000	78.1	84.7	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	78.4	85.2	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4000	79.0	86.5	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	80.1	87.1	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	81.1	88.5	89.3	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2500	81.8	89.6	90.5	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2000	83.3	91.5	92.5	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1800	83.3	91.8	92.9	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1500	83.6	92.6	93.8	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	84.0	93.5	94.8	95.6	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	84.3	94.2	95.6	96.6	96.9	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	84.4	94.6	95.9	97.1	97.5	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	84.4	94.7	96.2	97.6	98.1	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	84.5	94.9	96.4	97.8	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	84.5	94.9	96.4	98.0	98.5	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	84.5	95.0	96.6	98.1	98.7	98.8	99.0	99.2	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5
IV 400	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 300	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.8	99.8	99.8
IV 200	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 100	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
IV 0	84.5	95.0	96.6	98.1	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2588

MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13347  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-70, 72  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.9	68.7	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 20000	71.0	75.4	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4
IV 18000	71.0	75.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 16000	71.0	75.5	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 14000	71.2	75.9	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
IV 12000	72.5	77.4	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
IV 10000	74.3	79.1	79.7	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 9000	74.7	79.7	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 8000	76.1	81.4	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	76.9	82.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	77.8	83.4	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	79.2	85.6	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	79.6	86.3	87.0	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	80.3	87.3	88.0	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IV 3500	80.6	87.8	88.5	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	81.8	89.4	90.2	90.8	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
IV 2500	82.7	90.4	91.2	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	84.0	92.1	93.1	93.6	93.7	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	84.2	92.6	93.6	94.2	94.2	94.2	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
IV 1500	84.5	93.0	94.1	94.7	94.8	94.8	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	84.8	93.9	95.0	95.7	96.0	96.0	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 1000	85.0	94.4	95.6	96.5	96.8	96.8	96.8	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 900	85.1	94.7	96.1	97.1	97.5	97.5	97.5	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	85.3	94.9	96.3	97.5	98.0	98.0	98.0	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	85.3	94.9	96.3	97.5	98.1	98.1	98.1	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	85.3	95.0	96.4	97.6	98.1	98.1	98.1	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	85.3	95.1	96.5	97.7	98.3	98.4	98.4	98.9	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	85.3	95.1	96.6	97.8	98.3	98.3	98.3	98.5	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.7
IV 300	85.3	95.1	96.6	97.8	98.3	98.3	98.3	98.5	99.1	99.3	99.3	99.8	99.8	99.8	99.9	99.9
IV 200	85.3	95.1	96.6	97.8	98.3	98.3	98.3	98.6	99.2	99.3	99.4	99.8	99.9	99.9	100.0	100.0
IV 100	85.3	95.1	96.6	97.8	98.3	98.3	98.3	98.6	99.2	99.3	99.4	99.8	99.9	99.9	100.0	100.0
IV 0	85.3	95.1	96.6	97.8	98.3	98.3	98.3	98.6	99.2	99.3	99.4	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2407

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-70,72 YEARS

OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.0	71.5	72.1	72.3	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	70.1	75.4	75.9	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6
IV 18000	70.1	75.5	76.1	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8
IV 16000	70.1	75.5	76.1	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.8
IV 14000	70.1	75.5	76.1	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.8
IV 12000	71.3	76.9	77.5	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2
IV 10000	73.2	78.9	79.5	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2
IV 9000	73.6	79.2	79.8	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.6
IV 8000	74.5	80.6	81.2	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9
IV 7000	75.6	81.7	82.3	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.1
IV 6000	76.5	83.1	83.8	84.1	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6
IV 5000	77.9	85.1	85.7	86.1	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.6
IV 4500	78.4	85.8	86.4	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.3
IV 4000	78.9	86.4	87.1	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	88.0
IV 3500	79.6	87.5	88.2	88.7	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.3
IV 3000	80.7	89.1	89.9	90.5	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.1
IV 2500	81.1	89.8	90.7	91.3	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9
IV 2000	81.8	90.9	91.8	92.5	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 1800	82.1	91.6	92.5	93.2	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.8
IV 1500	82.6	92.4	93.4	94.1	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
IV 1200	82.9	93.0	94.2	95.0	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.7
IV 1000	83.1	93.8	95.0	95.8	96.2	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.7
IV 900	83.1	94.0	95.2	96.1	96.6	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
IV 800	83.2	94.3	95.6	96.5	97.1	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 700	83.3	94.5	95.9	96.8	97.6	97.7	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3
IV 600	83.4	94.6	96.0	97.0	97.8	97.9	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.6
IV 500	83.4	94.7	96.2	97.3	98.1	98.1	98.5	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	99.0
IV 400	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.7	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4
IV 300	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.6
IV 200	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.9
IV 100	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.9
IV 0	83.4	94.7	96.2	97.3	98.1	98.2	98.6	98.8	99.0	99.3	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2345

STEEPLETOP MOORE BUSINESS FORMS INC

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	59.1	63.7	64.3	64.6	65.0	65.0	65.0	65.0	65.1	65.2	65.4	65.4	65.4	65.4	65.5	65.5
IV 20000	63.6	68.8	69.2	69.5	69.9	69.9	70.0	70.0	70.0	70.1	70.3	70.4	70.4	70.4	70.4	70.4
IV 18000	63.6	68.8	69.2	69.5	69.9	69.9	70.0	70.0	70.0	70.1	70.3	70.4	70.4	70.4	70.4	70.4
IV 16000	63.6	68.8	69.2	69.6	70.0	70.0	70.0	70.0	70.1	70.2	70.4	70.4	70.4	70.4	70.5	70.5
IV 14000	64.1	69.8	70.2	70.5	70.9	70.9	71.0	71.0	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.5
IV 12000	65.4	71.4	71.7	72.1	72.5	72.5	72.5	72.5	72.6	72.7	72.9	72.9	72.9	72.9	73.0	73.0
IV 10000	66.8	72.9	73.3	73.6	74.0	74.0	74.1	74.1	74.1	74.3	74.4	74.5	74.5	74.5	74.5	74.6
IV 9000	67.1	73.2	73.6	73.9	74.3	74.3	74.4	74.4	74.4	74.5	74.7	74.8	74.8	74.8	74.8	74.8
IV 8000	67.9	74.3	74.6	75.0	75.4	75.4	75.4	75.5	75.5	75.6	75.8	75.9	75.9	75.9	75.9	76.0
IV 7000	68.8	75.5	75.8	76.2	76.6	76.6	76.6	76.7	76.7	76.8	77.0	77.1	77.1	77.1	77.1	77.2
IV 6000	69.5	76.5	77.0	77.3	77.7	77.7	77.7	77.8	77.8	77.9	78.0	78.2	78.2	78.2	78.3	78.3
IV 5000	70.5	77.7	78.2	78.6	79.0	79.0	79.1	79.1	79.2	79.3	79.5	79.6	79.6	79.6	79.6	79.7
IV 4500	70.7	78.0	78.4	78.8	79.2	79.2	79.3	79.3	79.4	79.6	79.7	79.8	79.8	79.8	79.9	79.9
IV 4000	71.5	79.3	79.8	80.2	80.6	80.6	80.7	80.7	80.8	80.9	81.1	81.2	81.2	81.2	81.3	81.3
IV 3500	72.3	80.3	80.8	81.2	81.6	81.6	81.6	81.7	81.7	81.9	82.1	82.1	82.1	82.2	82.3	82.3
IV 3000	73.8	82.4	83.0	83.3	83.8	83.8	83.9	83.9	84.0	84.1	84.3	84.4	84.4	84.4	84.5	84.5
IV 2500	74.6	83.5	84.1	84.5	84.9	84.9	85.1	85.1	85.2	85.3	85.5	85.6	85.6	85.6	85.6	85.7
IV 2000	76.5	85.9	86.7	87.1	87.6	87.6	87.7	87.7	87.8	88.0	88.1	88.2	88.2	88.2	88.3	88.3
IV 1800	77.0	86.9	87.7	88.0	88.5	88.5	88.7	88.7	88.8	88.9	89.1	89.2	89.2	89.2	89.2	89.3
IV 1500	78.0	88.9	89.7	90.4	90.9	90.9	91.0	91.1	91.2	91.3	91.5	91.6	91.6	91.6	91.6	91.7
IV 1200	78.8	90.5	91.6	92.5	93.0	93.0	93.2	93.3	93.4	93.6	93.7	93.8	93.8	93.8	93.9	93.9
IV 1000	79.2	91.5	92.6	93.6	94.1	94.1	94.3	94.4	94.5	94.7	94.9	94.9	94.9	95.0	95.0	95.1
IV 900	79.4	91.6	92.9	94.0	94.6	94.6	94.8	95.0	95.0	95.2	95.4	95.5	95.5	95.5	95.6	95.6
IV 800	79.7	92.0	93.6	94.8	95.6	95.6	95.8	95.9	96.0	96.2	96.4	96.4	96.4	96.5	96.5	96.6
IV 700	79.7	92.3	94.0	95.2	96.0	96.0	96.3	96.4	96.5	96.8	97.0	97.0	97.0	97.1	97.2	97.2
IV 600	79.7	92.4	94.2	95.5	96.4	96.4	96.8	96.9	97.0	97.2	97.5	97.5	97.5	97.6	97.6	97.7
IV 500	79.7	92.6	94.3	95.8	96.8	96.8	97.2	97.4	97.5	97.9	98.1	98.1	98.1	98.2	98.3	98.4
IV 400	79.7	92.6	94.5	96.0	97.3	97.3	97.8	98.0	98.0	98.5	98.8	98.8	98.8	98.8	98.9	99.0
IV 300	79.7	92.6	94.6	96.1	97.4	97.4	97.9	98.0	98.2	98.8	99.0	99.0	99.1	99.2	99.2	99.3
IV 200	79.7	92.6	94.6	96.1	97.4	97.4	98.0	98.2	98.4	98.9	99.2	99.3	99.3	99.5	99.5	99.6
IV 100	79.7	92.6	94.6	96.1	97.4	97.4	98.0	98.2	98.4	99.0	99.2	99.3	99.4	99.5	99.6	99.7
IV 0	79.7	92.6	94.6	96.1	97.4	97.4	98.0	98.2	98.4	99.0	99.2	99.3	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2250

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS(IST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	54.8	59.6	60.5	61.1	61.4	61.4	61.8	61.9	62.0	62.1	62.3	62.3	62.5	62.6	62.7	62.9
IV 20000	59.2	64.3	65.2	65.9	66.3	66.3	66.7	66.8	66.8	67.0	67.2	67.2	67.4	67.5	67.6	67.8
IV 18000	59.2	64.3	65.2	65.9	66.3	66.3	66.7	66.8	66.8	67.0	67.2	67.2	67.4	67.5	67.6	67.8
IV 16000	59.4	64.5	65.4	66.1	66.5	66.5	66.9	67.0	67.1	67.2	67.4	67.4	67.6	67.7	67.8	68.0
IV 14000	59.5	64.7	65.6	66.3	66.7	66.7	67.1	67.2	67.2	67.4	67.6	67.6	67.8	67.9	68.0	68.2
IV 12000	61.5	66.9	67.8	68.5	68.9	68.9	69.3	69.4	69.5	69.6	69.8	69.8	70.0	70.1	70.2	70.4
IV 10000	62.7	68.3	69.2	69.9	70.3	70.3	70.7	70.8	70.8	71.0	71.1	71.1	71.4	71.4	71.6	71.8
IV 9000	62.9	68.5	69.5	70.2	70.6	70.6	71.0	71.0	71.1	71.2	71.4	71.4	71.6	71.7	71.8	72.0
IV 8000	64.2	70.0	71.0	71.7	72.1	72.1	72.5	72.6	72.6	72.8	73.0	73.0	73.2	73.3	73.4	73.6
IV 7000	65.4	71.4	72.3	73.0	73.4	73.4	73.8	73.9	74.0	74.1	74.3	74.3	74.5	74.6	74.8	74.9
IV 6000	65.9	72.4	73.4	74.1	74.5	74.5	74.9	75.0	75.0	75.2	75.4	75.4	75.6	75.7	75.8	76.0
IV 5000	66.8	73.4	74.4	75.2	75.6	75.6	76.0	76.1	76.1	76.3	76.4	76.4	76.7	76.7	76.9	77.1
IV 4500	67.2	73.9	74.9	75.7	76.1	76.1	76.5	76.6	76.6	76.8	77.0	77.0	77.2	77.3	77.4	77.6
IV 4000	68.1	75.2	76.3	77.1	77.5	77.5	77.9	78.0	78.0	78.2	78.4	78.4	78.6	78.7	78.8	79.0
IV 3500	69.0	76.4	77.6	78.3	78.8	78.8	79.2	79.2	79.3	79.5	79.6	79.6	79.9	79.9	80.1	80.3
IV 3000	70.1	77.8	79.0	79.8	80.3	80.3	80.7	80.7	80.8	81.0	81.1	81.1	81.4	81.5	81.6	81.8
IV 2500	71.3	79.1	80.3	81.1	81.6	81.6	82.0	82.1	82.2	82.3	82.5	82.5	82.7	82.8	83.0	83.1
IV 2000	72.9	81.4	82.6	83.4	84.2	84.2	84.6	84.7	84.8	84.9	85.1	85.1	85.3	85.4	85.6	85.7
IV 1800	73.7	82.8	84.2	85.0	85.7	85.7	86.2	86.3	86.4	86.5	86.7	86.7	87.0	87.1	87.2	87.4
IV 1500	75.0	85.0	86.5	87.3	88.0	88.0	88.5	88.6	88.7	88.8	89.0	89.0	89.3	89.4	89.5	89.7
IV 1200	76.4	87.3	89.0	89.8	90.7	90.7	91.2	91.3	91.3	91.5	91.7	91.7	91.9	92.0	92.2	92.3
IV 1000	76.8	88.1	90.0	91.0	92.1	92.1	92.7	92.8	92.8	93.0	93.2	93.2	93.4	93.5	93.7	93.8
IV 900	77.0	88.5	90.6	91.6	92.8	92.8	93.4	93.6	93.6	93.8	94.0	94.0	94.2	94.3	94.5	94.6
IV 800	77.3	88.8	91.0	92.0	93.2	93.3	93.8	94.1	94.1	94.3	94.5	94.5	94.8	94.9	95.0	95.2
IV 700	77.3	89.4	91.5	92.7	94.0	94.1	94.7	95.0	95.0	95.2	95.4	95.4	95.7	95.9	96.0	96.2
IV 600	77.3	89.7	92.1	93.3	94.8	94.8	95.5	95.8	95.8	96.0	96.1	96.1	96.5	96.7	96.9	97.0
IV 500	77.3	89.8	92.3	93.7	95.3	95.3	96.1	96.3	96.3	96.5	96.7	96.7	97.1	97.3	97.4	97.7
IV 400	77.3	89.9	92.4	94.2	95.8	95.9	96.7	96.9	96.9	97.3	97.5	97.5	97.9	98.1	98.3	98.5
IV 300	77.3	89.9	92.5	94.2	95.9	95.9	96.7	97.0	97.1	97.4	97.7	97.7	98.2	98.4	98.5	98.8
IV 200	77.3	89.9	92.5	94.2	95.9	95.9	96.8	97.1	97.1	97.5	97.7	97.7	98.4	98.6	98.8	99.1
IV 100	77.3	89.9	92.5	94.2	95.9	95.9	96.8	97.1	97.1	97.6	97.9	97.9	98.8	99.0	99.2	99.5
IV 0	77.3	89.9	92.5	94.2	95.9	95.9	96.8	97.1	97.1	97.6	97.9	97.9	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2259

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,50-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (CST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	43.9	50.1	51.9	52.7	53.7	53.9	54.3	54.3	54.3	54.5	54.8	54.8	55.0	55.0	55.4	55.6
IV 20000	49.1	56.8	58.8	60.0	61.0	61.2	61.8	61.8	61.8	62.0	62.2	62.2	62.4	62.4	62.8	63.1
IV 18000	49.1	56.8	58.8	60.0	61.0	61.2	61.8	61.8	61.8	62.0	62.2	62.2	62.4	62.4	62.8	63.1
IV 16000	49.2	56.9	58.9	60.0	61.2	61.3	61.9	61.9	61.9	62.1	62.4	62.4	62.6	62.6	63.0	63.2
IV 14000	49.4	57.1	59.1	60.3	61.4	61.6	62.1	62.1	62.1	62.4	62.6	62.6	62.8	62.8	63.2	63.4
IV 12000	50.7	58.6	60.6	61.8	62.9	63.1	63.6	63.6	63.6	63.9	64.1	64.1	64.3	64.3	64.7	65.0
IV 10000	52.8	60.8	62.9	64.1	65.2	65.4	66.0	66.0	66.0	66.2	66.4	66.4	66.6	66.6	67.0	67.3
IV 9000	53.6	61.8	63.9	65.2	66.3	66.4	67.0	67.0	67.0	67.2	67.5	67.5	67.7	67.7	68.1	68.3
IV 8000	55.9	64.4	66.6	68.0	69.1	69.2	69.8	69.8	69.8	70.0	70.3	70.3	70.5	70.5	70.9	71.1
IV 7000	56.9	65.7	67.9	69.3	70.4	70.6	71.1	71.1	71.1	71.4	71.6	71.6	71.8	71.8	72.2	72.4
IV 6000	57.9	66.8	69.1	70.5	71.6	71.8	72.5	72.5	72.5	72.8	73.0	73.0	73.2	73.2	73.6	73.8
IV 5000	58.9	68.0	70.3	71.7	72.9	73.1	73.7	73.8	73.8	74.0	74.2	74.2	74.4	74.4	74.8	75.1
IV 4500	59.2	68.4	70.7	72.1	73.3	73.5	74.1	74.2	74.2	74.4	74.6	74.6	74.8	74.8	75.2	75.5
IV 4000	60.1	69.8	72.2	73.7	74.9	75.1	75.7	75.8	75.8	76.1	76.3	76.3	76.5	76.5	76.9	77.2
IV 3500	60.9	70.8	73.3	74.8	75.9	76.1	76.8	76.9	76.9	77.2	77.4	77.4	77.6	77.6	78.0	78.3
IV 3000	62.3	72.6	75.1	76.7	77.9	78.1	78.8	78.9	78.9	79.2	79.4	79.4	79.6	79.6	80.0	80.3
IV 2500	63.2	73.8	76.3	77.9	79.2	79.4	80.1	80.2	80.2	80.5	80.7	80.7	80.9	80.9	81.3	81.6
IV 2000	64.2	75.5	78.3	79.9	81.3	81.5	82.3	82.3	82.3	82.6	82.9	82.9	83.1	83.1	83.5	83.7
IV 1800	64.8	76.6	79.5	81.1	82.5	82.7	83.5	83.6	83.6	83.9	84.1	84.1	84.3	84.3	84.7	84.9
IV 1500	65.9	78.5	81.5	83.3	85.0	85.2	85.9	86.0	86.0	86.3	86.5	86.5	86.7	86.7	87.1	87.4
IV 1200	66.7	80.3	83.7	85.5	87.3	87.5	88.2	88.3	88.4	88.7	88.9	88.9	89.2	89.2	89.6	89.9
IV 1000	67.6	82.2	85.7	87.7	89.7	89.9	90.7	90.9	90.9	91.2	91.5	91.5	91.8	91.8	92.2	92.4
IV 900	67.8	83.1	86.7	88.7	90.8	91.0	91.8	92.0	92.0	92.4	92.6	92.6	93.0	93.0	93.4	93.6
IV 800	68.0	83.7	87.7	89.7	91.9	92.2	93.0	93.3	93.3	93.6	93.9	93.9	94.2	94.2	94.6	94.9
IV 700	68.1	83.9	88.0	90.1	92.4	92.7	93.6	94.0	94.0	94.3	94.6	94.6	95.0	95.0	95.4	95.6
IV 600	68.2	84.4	88.8	90.9	93.4	93.6	94.6	95.0	95.0	95.4	95.6	95.6	96.1	96.1	96.5	96.8
IV 500	68.2	84.6	89.1	91.3	93.8	94.2	95.2	95.6	95.8	96.1	96.4	96.4	96.9	96.9	97.4	97.7
IV 400	68.2	84.8	89.3	91.6	94.2	94.6	95.8	96.2	96.4	96.8	97.3	97.4	97.8	97.8	98.3	98.6
IV 300	68.2	84.8	89.3	91.7	94.3	94.7	95.9	96.4	96.6	97.1	97.6	97.6	98.1	98.1	98.6	99.0
IV 200	68.2	84.8	89.3	91.7	94.3	94.7	95.9	96.4	96.6	97.2	97.6	97.6	98.2	98.2	98.8	99.2
IV 100	68.2	84.8	89.3	91.7	94.3	94.7	95.9	96.5	96.6	97.2	97.8	97.8	98.4	98.4	99.1	99.5
IV 0	68.2	84.8	89.3	91.7	94.3	94.7	95.9	96.5	96.6	97.2	97.8	97.8	98.4	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2503

STERNLID MOORE BUSINESS FORMS INC 72

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-74  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	> 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.0	49.0	49.8	50.4	50.8	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 20000	53.9	59.6	60.8	61.4	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 18000	53.9	59.7	60.8	61.5	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
IV 16000	53.9	59.7	60.8	61.5	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
IV 14000	54.5	60.4	61.5	62.2	62.6	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	55.7	61.8	63.0	63.7	64.1	64.2	64.4	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6
IV 10000	58.2	64.5	65.7	66.4	66.9	67.0	67.1	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 9000	58.8	65.4	66.7	67.4	67.8	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3	68.3
IV 8000	60.4	67.4	68.7	69.4	69.9	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 7000	61.5	68.6	69.9	70.7	71.2	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7
IV 6000	62.0	69.4	70.8	71.6	72.1	72.3	72.5	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	62.4	70.2	71.8	72.8	73.3	73.5	73.7	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
IV 4500	62.8	70.8	72.4	73.4	73.9	74.0	74.3	74.3	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
IV 4000	63.6	71.9	73.7	74.8	75.3	75.5	75.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500	63.8	72.4	74.1	75.2	75.8	76.0	76.2	76.3	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 3000	65.0	74.0	75.8	77.0	77.6	77.8	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
IV 2500	65.9	75.4	77.3	78.5	79.2	79.4	79.7	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0
IV 2000	67.3	77.7	79.7	81.0	81.8	82.1	82.4	82.5	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.8
IV 1800	67.8	78.4	80.5	81.7	82.5	82.8	83.2	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5
IV 1500	69.7	81.0	83.2	84.8	85.7	86.0	86.4	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8
IV 1200	70.7	83.2	85.6	87.5	88.4	88.8	89.3	89.4	89.5	89.5	89.6	89.6	89.7	89.7	89.7	89.7
IV 1000	71.5	84.5	87.5	89.5	90.6	91.0	91.6	91.8	91.8	91.9	92.0	92.0	92.1	92.1	92.1	92.1
IV 900	71.6	85.2	88.3	90.4	91.6	92.0	92.6	92.8	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
IV 800	71.7	86.2	89.5	91.8	93.1	93.6	94.3	94.7	94.8	94.8	95.0	95.0	95.1	95.1	95.2	95.2
IV 700	71.8	86.5	90.0	92.3	93.7	94.3	95.2	95.2	95.3	95.6	95.8	96.0	96.0	96.1	96.1	96.1
IV 600	71.8	86.6	90.1	92.5	94.2	94.8	95.7	96.2	96.3	96.6	96.8	96.8	96.9	96.9	97.0	97.0
IV 500	71.9	86.7	90.4	92.8	94.6	95.2	96.3	96.9	97.1	97.5	97.8	97.9	98.1	98.1	98.2	98.2
IV 400	71.9	86.7	90.4	93.0	94.8	95.4	96.5	97.2	97.4	98.1	98.5	98.5	98.8	98.8	98.9	98.9
IV 300	71.9	86.7	90.4	93.0	94.9	95.6	96.7	97.5	97.7	98.5	98.9	98.9	99.2	99.2	99.3	99.3
IV 200	71.9	86.7	90.4	93.0	94.9	95.6	96.8	97.5	97.8	98.6	99.0	99.0	99.3	99.3	99.4	99.4
IV 100	71.9	86.7	90.4	93.0	94.9	95.6	96.8	97.5	97.8	98.6	99.0	99.1	99.3	99.4	99.6	99.7
IV 0	71.9	86.7	90.4	93.0	94.9	95.6	96.8	97.5	97.8	98.6	99.0	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2543

SPEED-FOOT MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 1/3	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 20000	60.3	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 18000	60.7	64.3	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 16000	60.8	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	60.9	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 12000	62.5	66.2	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	64.4	68.1	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 9000	64.9	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 8000	66.1	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 7000	66.7	71.1	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	67.4	72.1	72.5	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 5000	68.3	73.3	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	68.5	73.7	74.1	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4000	69.5	75.1	75.5	75.9	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 3500	70.3	76.0	76.5	76.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3000	72.0	78.3	79.0	79.3	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 2500	73.1	79.8	80.5	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 2000	75.5	82.9	83.7	84.2	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	76.1	83.7	84.6	85.1	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	78.1	86.8	87.8	88.5	89.1	89.1	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5
IV 1200	79.2	88.9	90.5	91.3	92.0	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	79.6	90.2	92.1	93.1	93.8	93.8	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.5
IV 900	79.7	90.9	93.1	94.2	95.0	95.0	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9
IV 800	79.7	91.3	93.9	95.0	96.0	96.1	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IV 700	79.7	91.4	94.1	95.6	96.7	96.8	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1
IV 600	79.7	91.7	94.5	96.1	97.4	97.5	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.9	98.9	98.9
IV 500	79.7	91.7	94.6	96.3	97.6	97.7	98.6	99.0	99.0	99.3	99.3	99.4	99.4	99.5	99.5	99.5
IV 400	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8
IV 300	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.2	99.3	99.5	99.6	99.7	99.7	99.9	99.9	99.9
IV 200	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.3	99.3	99.6	99.7	99.8	99.8	100.0	100.0	100.0
IV 100	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.3	99.3	99.6	99.7	99.8	99.8	100.0	100.0	100.0
IV 0	79.7	91.7	94.7	96.5	97.8	97.9	98.8	99.3	99.3	99.6	99.7	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2543

MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	54.0	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	62.8	66.0	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	63.5	66.6	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
16000	65.5	66.7	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	64.1	67.3	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
12000	65.9	69.1	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 10000	68.0	71.3	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
9000	68.3	71.6	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	69.4	72.9	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
7000	70.2	74.0	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 6000	70.4	74.5	75.0	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
5000	71.7	75.6	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4500	72.0	76.0	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
4000	72.9	77.0	77.7	78.1	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	73.7	78.1	78.7	79.2	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
3000	75.2	80.2	81.0	81.5	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	76.5	81.7	82.5	83.0	83.2	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
2000	78.2	84.5	85.5	86.1	86.3	86.5	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1800	78.4	85.1	86.0	86.6	86.9	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1500	79.6	87.0	88.3	89.0	89.3	89.5	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1200	80.1	88.8	90.5	91.3	91.9	92.2	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
1000	80.4	89.7	91.9	92.8	93.6	93.9	94.2	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 900	80.5	90.0	92.5	93.6	94.5	94.8	95.1	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
800	80.5	90.3	92.8	94.1	95.2	95.7	96.1	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	80.5	90.6	93.1	94.4	95.9	96.3	96.8	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
600	80.5	90.6	93.2	94.5	96.0	96.6	97.1	97.7	97.7	98.2	98.4	98.4	98.5	98.5	98.5	98.5
IV 500	80.6	90.6	93.4	94.7	96.4	96.9	97.5	98.1	98.2	98.8	99.0	99.0	99.1	99.1	99.1	99.1
400	80.6	90.7	93.4	95.0	96.6	97.2	97.8	98.5	98.5	99.2	99.4	99.4	99.5	99.5	99.5	99.5
IV 300	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8
200	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	100.0
IV 100	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	100.0
0	80.6	90.7	93.4	95.0	96.6	97.2	97.9	98.6	98.6	99.5	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2531

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-72  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NC CEILING	58.4	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 2000	64.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 1800	64.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 1600	64.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 1400	64.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 1200	67.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 1000	68.7	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 900	69.1	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 800	69.9	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 700	71.0	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 600	71.3	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 500	72.6	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 450	73.1	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 400	74.3	79.7	80.1	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	75.2	80.8	81.2	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	76.0	82.2	82.5	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	76.9	83.9	84.4	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2000	77.9	85.5	86.1	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	78.4	86.3	86.9	87.7	87.9	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	79.1	87.8	88.7	89.5	89.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 1200	79.7	89.5	90.6	91.5	91.9	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1000	80.2	91.0	92.4	93.6	94.6	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	80.4	91.2	92.8	94.0	95.0	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 800	80.4	91.6	93.1	94.4	95.5	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 700	80.4	91.9	93.6	95.1	96.3	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 600	80.4	92.2	93.9	95.5	96.9	97.1	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 500	80.4	92.2	94.0	95.6	97.1	97.3	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	80.4	92.3	94.1	95.7	97.3	97.5	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	80.4	92.3	94.1	95.7	97.3	97.5	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	80.4	92.3	94.1	95.7	97.3	97.5	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	80.4	92.3	94.1	95.7	97.3	97.5	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	80.4	92.4	94.1	95.8	97.3	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 2359

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-49,56-72 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.3	63.9	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.5	64.5	64.5	64.7
IV 20000	64.4	69.4	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.2
IV 18000	64.5	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.4
IV 16000	64.5	69.5	69.8	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.4
IV 14000	64.9	70.0	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.6	70.6	70.6	70.8
IV 12000	66.6	71.9	72.1	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.5	72.5	72.7
IV 10000	67.9	73.4	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.2
IV 9000	68.3	73.8	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.7
IV 8000	69.1	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5	75.5	75.7
IV 7000	69.7	75.6	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.2	76.4
IV 6000	70.5	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.6
IV 5000	71.7	77.9	78.3	78.3	78.4	78.4	78.5	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8	79.0
IV 4500	72.4	78.7	79.1	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.5	79.5	79.7	79.7	79.7	79.9
IV 4000	73.9	80.4	80.9	81.0	81.1	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.8
IV 3500	74.6	81.3	81.7	81.8	82.0	82.0	82.2	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.7
IV 3000	75.6	82.8	83.3	83.6	83.7	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.4
IV 2500	76.4	84.4	85.0	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.8	85.8	86.0	86.0	86.0	86.2
IV 2000	78.0	86.8	87.4	87.8	88.1	88.1	88.3	88.4	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.8
IV 1800	78.7	87.9	88.6	89.0	89.3	89.3	89.5	89.6	89.6	89.6	89.7	89.7	89.8	89.8	89.8	90.0
IV 1500	79.4	89.3	90.0	90.5	90.8	90.9	91.1	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.7
IV 1200	80.1	91.0	91.8	92.6	93.0	93.0	93.3	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.9
IV 1000	80.4	91.6	92.6	93.7	94.2	94.3	94.5	94.7	94.7	94.9	95.0	95.0	95.1	95.1	95.1	95.3
IV 900	80.4	91.7	92.9	94.2	94.8	94.9	95.1	95.3	95.3	95.5	95.6	95.6	95.7	95.7	95.7	95.9
IV 800	80.6	92.2	93.6	95.0	95.7	95.8	96.1	96.3	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.9
IV 700	80.7	92.5	93.9	95.4	96.2	96.3	96.6	96.7	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.6
IV 600	80.7	92.6	94.1	95.7	96.6	96.7	97.2	97.3	97.3	97.7	97.9	97.9	98.0	98.0	98.0	98.3
IV 500	80.8	92.8	94.4	96.0	96.9	97.0	97.6	97.7	97.7	98.2	98.3	98.3	98.5	98.5	98.5	98.7
IV 400	80.8	93.0	94.7	96.3	97.4	97.6	98.2	98.3	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.5
IV 300	80.8	93.0	94.7	96.3	97.6	97.7	98.4	98.6	98.6	99.1	99.3	99.3	99.6	99.6	99.6	99.8
IV 200	80.8	93.0	94.7	96.4	97.6	97.7	98.5	98.6	98.6	99.3	99.5	99.5	99.7	99.8	99.8	100.0
IV 100	80.8	93.0	94.7	96.4	97.6	97.7	98.5	98.6	98.6	99.3	99.5	99.5	99.7	99.8	99.8	100.0
IV 0	80.8	93.0	94.7	96.4	97.6	97.7	98.5	98.6	98.6	99.3	99.5	99.5	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2301

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-70  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	56.0	56.3	56.7	57.1	57.1	57.4	57.4	57.4	57.6	57.6	57.6	57.7	57.7	57.8	57.9
IV 20000	57.2	61.6	61.9	62.3	62.7	62.8	63.0	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.4	63.5
IV 18000	57.3	61.7	62.1	62.4	62.8	62.9	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.7
IV 16000	57.4	61.9	62.2	62.6	63.0	63.0	63.2	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.7	63.8
IV 14000	57.7	62.4	62.7	63.1	63.4	63.5	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.1	64.3
IV 12000	58.5	63.4	63.7	64.1	64.4	64.5	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.1	65.3
IV 10000	60.4	65.2	65.5	65.9	66.3	66.4	66.6	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.0	67.1
IV 9000	60.9	65.8	66.1	66.5	66.9	66.9	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.6	67.7
IV 8000	62.0	67.2	67.5	67.9	68.3	68.3	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	69.0	69.1
IV 7000	62.6	68.1	68.5	68.9	69.3	69.4	69.6	69.7	69.7	69.8	69.9	69.9	69.9	69.9	70.1	70.2
IV 6000	63.2	68.8	69.1	69.5	70.0	70.0	70.3	70.3	70.3	70.5	70.5	70.5	70.6	70.6	70.7	70.8
IV 5000	64.2	69.9	70.3	70.8	71.3	71.3	71.6	71.6	71.6	71.8	71.8	71.8	71.9	71.9	72.0	72.1
IV 4500	64.5	70.3	70.7	71.2	71.7	71.8	72.0	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.5	72.6
IV 4000	65.4	71.2	71.6	72.3	72.8	72.8	73.1	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.5	73.6
IV 3500	66.0	72.0	72.4	73.1	73.6	73.6	73.9	73.9	73.9	74.1	74.2	74.2	74.2	74.2	74.3	74.5
IV 3000	67.4	73.7	74.1	74.9	75.5	75.5	75.8	75.8	75.8	76.0	76.0	76.0	76.1	76.1	76.2	76.3
IV 2500	68.2	74.9	75.4	76.3	76.9	77.0	77.2	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.7	77.8
IV 2000	70.1	78.2	78.7	79.9	80.5	80.5	80.9	81.0	81.0	81.2	81.3	81.3	81.3	81.3	81.5	81.6
IV 1800	70.8	79.2	79.9	81.0	81.7	81.7	82.2	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.8	82.9
IV 1500	71.7	80.5	81.2	82.4	83.2	83.4	84.0	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.6	84.8
IV 1200	73.0	82.6	83.4	84.7	85.8	85.9	86.6	86.8	86.8	87.0	87.1	87.1	87.2	87.2	87.3	87.4
IV 1000	73.6	83.6	84.6	86.1	87.7	87.8	88.7	88.9	88.9	89.4	89.7	89.7	89.8	89.8	90.0	90.2
IV 900	73.9	84.3	85.3	86.9	88.5	88.7	89.6	89.9	89.9	90.4	90.6	90.6	90.9	90.9	91.1	91.2
IV 800	74.1	84.9	86.0	87.6	89.5	89.6	90.6	90.8	90.8	91.4	91.7	91.7	91.9	91.9	92.2	92.3
IV 700	74.2	85.3	86.5	88.2	90.2	90.4	91.5	91.8	91.8	92.5	92.8	92.8	93.1	93.1	93.3	93.5
IV 600	74.3	85.8	87.3	89.2	91.1	91.4	92.5	92.8	92.8	93.6	94.0	94.0	94.3	94.3	94.6	94.7
IV 500	74.3	86.2	87.8	89.8	91.9	92.1	93.3	93.6	93.6	94.4	94.9	94.9	95.3	95.3	95.6	95.7
IV 400	74.4	86.4	88.2	90.3	92.6	92.8	94.2	94.5	94.6	95.4	95.8	95.8	96.2	96.2	96.6	96.7
IV 300	74.4	86.4	88.2	90.4	92.8	93.0	94.4	94.8	94.9	96.0	96.6	96.6	97.1	97.1	97.5	97.7
IV 200	74.4	86.4	88.2	90.4	92.9	93.1	94.5	94.9	95.0	96.1	96.9	96.9	97.7	97.7	98.3	98.4
IV 100	74.4	86.4	88.3	90.4	92.9	93.2	94.5	94.9	95.1	96.3	97.0	97.0	97.9	97.9	98.6	98.9
IV 0	74.4	86.4	88.3	90.4	92.9	93.2	94.5	94.9	95.1	96.3	97.1	97.1	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2298

MOORE BUSINESS FORMS, INC.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45,47-49,56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.8	55.2	56.0	56.4	56.6	56.7	56.9	57.0	57.0	57.2	57.2	57.2	57.4	57.5	57.6	57.8
IV 20000	55.2	60.4	61.2	61.6	61.9	62.0	62.2	62.3	62.3	62.5	62.5	62.5	62.7	62.8	62.9	63.1
IV 18000	55.4	60.5	61.4	61.7	62.1	62.1	62.3	62.4	62.4	62.6	62.6	62.6	62.8	62.9	63.0	63.2
IV 16000	55.5	60.5	61.4	61.8	62.1	62.1	62.4	62.5	62.5	62.6	62.6	62.6	62.9	62.9	63.1	63.2
IV 14000	55.7	60.9	61.8	62.1	62.5	62.5	62.8	62.8	62.8	63.0	63.0	63.0	63.3	63.3	63.4	63.6
IV 12000	56.8	62.2	63.1	63.4	63.8	63.8	64.1	64.1	64.1	64.3	64.3	64.3	64.6	64.6	64.7	64.9
IV 10000	58.6	64.0	64.9	65.3	65.7	65.7	65.9	66.0	66.0	66.2	66.2	66.2	66.4	66.5	66.6	66.8
IV 9000	59.1	64.6	65.5	65.9	66.3	66.3	66.6	66.7	66.7	66.9	66.9	66.9	67.1	67.2	67.3	67.5
IV 8000	59.9	65.6	66.6	67.0	67.4	67.4	67.7	67.8	67.8	68.0	68.0	68.0	68.3	68.3	68.4	68.6
IV 7000	60.8	66.7	67.8	68.2	68.6	68.6	68.9	68.9	68.9	69.2	69.2	69.2	69.4	69.5	69.6	69.8
IV 6000	61.6	67.6	68.6	69.0	69.4	69.5	69.7	69.8	69.8	70.0	70.0	70.0	70.3	70.3	70.5	70.6
IV 5000	63.1	69.7	70.8	71.3	71.7	71.7	72.0	72.1	72.1	72.3	72.3	72.3	72.5	72.6	72.7	72.9
IV 4500	63.4	70.2	71.3	71.8	72.2	72.2	72.5	72.5	72.5	72.8	72.8	72.8	73.0	73.1	73.2	73.4
IV 4000	64.0	70.9	72.0	72.5	72.9	72.9	73.2	73.3	73.3	73.5	73.5	73.5	73.8	73.8	73.9	74.1
IV 3500	64.6	71.8	73.0	73.5	73.9	74.0	74.2	74.3	74.3	74.5	74.5	74.5	74.8	74.8	75.0	75.1
IV 3000	65.5	73.4	74.5	75.1	75.6	75.7	75.9	76.0	76.0	76.2	76.2	76.2	76.5	76.5	76.7	76.8
IV 2500	66.1	74.5	75.7	76.4	76.8	76.9	77.1	77.2	77.2	77.5	77.5	77.5	77.7	77.7	77.9	78.1
IV 2000	67.6	77.0	78.3	79.0	79.6	79.6	79.9	80.0	80.0	80.3	80.4	80.4	80.7	80.7	80.9	81.0
IV 1800	68.2	77.8	79.0	79.8	80.4	80.5	80.8	80.9	80.9	81.2	81.3	81.3	81.6	81.6	81.8	81.9
IV 1500	68.8	78.9	80.1	80.9	81.6	81.7	82.1	82.2	82.2	82.5	82.6	82.6	82.9	82.9	83.1	83.2
IV 1200	70.3	81.6	83.1	84.0	84.8	85.0	85.5	85.6	85.6	86.0	86.1	86.1	86.4	86.4	86.5	86.7
IV 1000	70.9	82.9	84.5	85.6	86.5	86.7	87.3	87.4	87.4	88.0	88.1	88.1	88.4	88.4	88.6	88.7
IV 900	71.1	83.6	85.4	86.7	87.7	87.9	88.6	88.7	88.7	89.3	89.4	89.4	89.7	89.7	89.9	90.0
IV 800	71.4	84.5	86.5	87.8	88.9	89.1	89.9	90.0	90.0	90.7	90.8	90.8	91.2	91.3	91.4	91.6
IV 700	71.6	85.1	87.1	88.4	89.6	89.9	90.6	90.7	90.8	91.6	91.8	91.8	92.1	92.2	92.3	92.5
IV 600	71.7	85.8	87.8	89.3	90.7	91.0	91.9	92.0	92.0	92.9	93.1	93.1	93.6	93.7	93.8	94.0
IV 500	71.7	85.9	88.0	89.7	91.1	91.4	92.6	92.9	92.9	93.9	94.1	94.1	94.7	94.7	94.8	95.0
IV 400	71.8	86.4	88.6	90.3	91.9	92.2	93.6	93.8	93.9	94.9	95.2	95.2	95.9	96.0	96.1	96.3
IV 300	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.2	94.3	95.5	95.9	95.9	96.8	96.8	97.1	97.3
IV 200	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.3	94.4	95.7	96.2	96.2	97.2	97.3	97.7	98.0
IV 100	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.3	94.4	95.8	96.5	96.5	97.7	97.7	98.4	98.8
IV 0	71.8	86.4	88.6	90.5	92.1	92.5	94.0	94.3	94.4	95.9	96.6	96.7	98.1	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2309

REF ID: A66888

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.4	50.9	51.6	52.2	52.7	52.7	53.1	53.2	53.2	53.3	53.4	53.5	53.6	53.6	53.8	53.9
IV 20000	50.2	57.8	58.8	59.4	60.0	60.1	60.5	60.6	60.6	60.8	60.9	61.0	61.2	61.2	61.3	61.5
IV 18000	50.9	58.2	59.1	59.7	60.4	60.4	60.8	61.0	61.0	61.1	61.3	61.3	61.5	61.5	61.7	61.9
IV 16000	50.7	58.4	59.2	59.9	60.6	60.6	61.0	61.1	61.1	61.3	61.5	61.5	61.7	61.7	61.8	62.0
IV 14000	51.1	58.9	59.9	60.5	61.1	61.2	61.6	61.7	61.7	61.9	62.0	62.1	62.3	62.3	62.4	62.6
IV 12000	52.1	60.3	61.3	61.9	62.6	62.6	63.0	63.2	63.2	63.3	63.5	63.5	63.7	63.7	63.9	64.1
IV 10000	53.9	62.2	63.3	63.9	64.6	64.6	65.0	65.1	65.1	65.3	65.5	65.5	65.7	65.7	65.8	66.0
IV 9000	54.6	63.0	64.0	64.6	65.3	65.4	65.8	65.9	65.9	66.1	66.2	66.3	66.5	66.5	66.6	66.8
IV 8000	55.8	64.4	65.5	66.2	66.9	67.0	67.3	67.5	67.5	67.7	67.8	67.9	68.1	68.1	68.2	68.4
IV 7000	56.6	65.5	66.6	67.2	68.0	68.0	68.4	68.6	68.6	68.8	69.0	69.0	69.2	69.2	69.3	69.5
IV 6000	57.4	66.3	67.4	68.1	68.8	68.9	69.3	69.4	69.4	69.7	69.8	69.9	70.1	70.1	70.2	70.4
IV 5000	58.5	67.8	68.9	69.5	70.3	70.3	70.7	70.9	70.9	71.1	71.3	71.3	71.5	71.5	71.6	71.8
IV 4500	59.0	68.4	69.5	70.2	71.0	71.0	71.4	71.5	71.5	71.8	71.9	72.0	72.2	72.2	72.3	72.5
IV 4000	59.7	69.5	70.8	71.5	72.2	72.3	72.7	72.8	72.8	73.1	73.2	73.3	73.5	73.5	73.6	73.8
IV 3500	60.2	70.1	71.4	72.1	72.9	72.9	73.4	73.5	73.5	73.7	73.9	73.9	74.1	74.1	74.3	74.5
IV 3000	61.2	71.4	72.8	73.6	74.4	74.4	74.9	75.0	75.0	75.3	75.4	75.5	75.7	75.7	75.8	76.0
IV 2500	62.2	72.7	74.3	75.2	76.1	76.1	76.6	76.8	76.8	77.0	77.2	77.2	77.4	77.4	77.6	77.7
IV 2000	63.7	74.8	76.4	77.4	78.4	78.4	78.9	79.1	79.1	79.4	79.6	79.6	79.8	79.8	79.9	80.1
IV 1800	63.9	75.1	76.7	77.7	78.7	78.7	79.2	79.4	79.4	79.7	79.9	79.9	80.1	80.1	80.2	80.4
IV 1500	64.6	76.4	78.1	79.2	80.3	80.3	80.9	81.0	81.0	81.3	81.5	81.6	81.8	81.8	81.9	82.1
IV 1200	65.5	78.1	80.1	81.3	82.4	82.5	83.1	83.2	83.2	83.6	83.9	83.9	84.1	84.1	84.3	84.5
IV 1000	65.9	79.6	81.7	83.2	84.3	84.4	85.0	85.2	85.2	85.9	86.3	86.3	86.5	86.5	86.7	86.9
IV 900	66.4	80.7	83.0	84.5	85.8	85.9	86.6	86.8	86.8	87.4	87.8	87.9	88.1	88.1	88.3	88.5
IV 800	66.7	81.3	83.9	85.7	87.3	87.4	88.4	88.6	88.7	89.4	89.8	89.8	90.1	90.1	90.3	90.5
IV 700	66.8	81.8	84.4	86.4	88.0	88.2	89.4	89.7	89.7	90.5	90.9	90.9	91.3	91.3	91.5	91.8
IV 600	66.9	82.4	85.2	87.3	89.1	89.2	90.5	90.8	90.9	91.6	92.3	92.3	92.9	92.9	93.1	93.4
IV 500	67.0	82.5	85.3	87.6	89.5	89.8	91.1	91.6	91.6	92.4	93.3	93.4	94.0	94.1	94.3	94.6
IV 400	67.0	82.7	85.7	88.0	89.9	90.1	91.6	92.2	92.3	93.4	94.4	94.5	95.2	95.3	95.5	95.9
IV 300	67.0	82.8	85.8	88.2	90.2	90.5	92.0	92.9	93.0	94.3	95.6	95.7	96.6	96.8	97.1	97.5
IV 200	67.0	82.8	85.8	88.2	90.2	90.5	92.1	93.0	93.2	94.5	95.9	96.0	97.0	97.2	97.6	98.0
IV 100	67.0	82.8	85.8	88.2	90.3	90.5	92.1	93.1	93.2	94.7	96.2	96.2	97.6	97.8	98.4	98.9
IV 0	67.0	82.8	85.8	88.2	90.3	90.5	92.1	93.1	93.2	94.8	96.2	96.2	97.8	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2548

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49-56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.0	45.4	46.2	46.9	47.4	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.8	47.8	47.8	47.8
IV 20000	48.0	54.3	55.3	56.2	57.1	57.2	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
IV 18000	48.5	54.8	55.8	56.7	57.6	57.7	57.9	57.9	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1
IV 16000	48.5	54.8	55.9	56.7	57.6	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
IV 14000	48.9	55.4	56.4	57.3	58.2	58.3	58.5	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.7
IV 12000	50.4	57.2	58.3	59.2	60.1	60.3	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6
IV 10000	52.9	60.0	61.2	62.1	63.0	63.1	63.3	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5
IV 9000	53.6	60.8	62.0	62.9	63.8	63.9	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3
IV 8000	55.5	63.1	64.4	65.4	66.3	66.5	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8
IV 7000	56.6	64.6	65.9	67.0	68.1	68.3	68.4	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6
IV 6000	57.2	65.2	66.7	67.8	68.9	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4
IV 5000	58.0	66.2	67.6	68.8	69.9	70.0	70.2	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4
IV 4500	58.6	67.0	68.5	69.6	70.7	70.8	71.0	71.0	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.3
IV 4000	59.4	67.9	69.5	70.6	71.7	71.8	72.1	72.1	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.3
IV 3500	59.9	68.8	70.4	71.5	72.6	72.8	73.0	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2
IV 3000	60.7	70.0	71.8	73.0	74.2	74.4	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9
IV 2500	61.7	71.2	73.1	74.2	75.5	75.7	76.0	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3
IV 2000	63.4	73.3	75.3	76.5	77.9	78.1	78.5	78.7	78.7	78.7	78.8	78.9	79.0	79.0	79.0	79.0
IV 1800	63.6	73.7	75.7	77.1	78.5	78.7	79.1	79.3	79.3	79.4	79.5	79.5	79.6	79.6	79.6	79.6
IV 1500	64.5	75.1	77.1	78.6	80.1	80.4	80.9	81.1	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4
IV 1200	65.2	76.5	78.8	80.3	81.8	82.2	82.7	83.1	83.2	83.3	83.5	83.5	83.7	83.7	83.7	83.7
IV 1000	66.0	78.1	80.9	82.8	84.6	85.1	85.7	86.2	86.4	86.7	86.9	86.9	87.1	87.1	87.2	87.2
IV 900	66.5	78.8	81.7	83.7	85.7	86.2	87.1	87.5	87.8	88.0	88.3	88.3	88.5	88.5	88.6	88.6
IV 800	66.6	79.4	82.4	84.9	87.3	87.9	89.1	89.6	89.9	90.3	90.6	90.6	90.9	90.9	91.0	91.0
IV 700	66.7	79.7	82.8	85.4	88.1	88.8	90.1	90.8	91.1	91.5	92.0	92.0	92.4	92.4	92.6	92.6
IV 600	66.8	80.0	83.2	85.9	89.0	89.7	91.3	92.1	92.4	93.1	93.6	93.6	94.0	94.0	94.3	94.3
IV 500	66.8	80.0	83.3	86.3	89.5	90.4	92.1	93.0	93.3	94.3	94.9	94.9	95.4	95.4	95.7	95.8
IV 400	66.8	80.1	83.3	86.5	89.8	90.7	92.6	93.6	94.1	95.3	96.2	96.2	96.8	96.8	97.1	97.2
IV 300	66.8	80.1	83.4	86.5	89.9	90.9	92.9	93.9	94.4	95.9	97.0	97.0	97.9	97.9	98.3	98.4
IV 200	66.8	80.1	83.4	86.5	89.9	90.9	93.1	94.1	94.6	96.2	97.5	97.6	98.6	98.6	98.7	99.1
IV 100	66.8	80.1	83.4	86.5	89.9	90.9	93.1	94.1	94.6	96.2	97.6	97.6	98.8	98.8	99.4	99.6
IV 0	66.8	80.1	83.4	86.5	89.9	90.9	93.1	94.1	94.6	96.2	97.6	97.6	98.8	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2624

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

UEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.3	46.6	47.0	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 20000	54.0	58.2	58.9	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	54.2	58.4	59.1	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	54.5	58.7	59.4	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	54.8	59.2	59.9	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	57.0	61.4	62.2	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	59.4	64.1	64.9	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 9000	60.2	65.0	65.8	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	61.5	66.6	67.3	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 7000	62.5	67.8	68.7	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	63.2	68.8	69.6	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 5000	64.4	70.1	71.0	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 4500	64.7	70.4	71.3	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4000	65.3	71.1	72.1	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	65.7	71.9	72.9	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 3000	66.8	73.3	74.4	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 2500	67.8	74.8	75.9	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2000	69.7	77.1	78.3	79.1	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	70.3	78.0	79.3	80.1	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 1500	71.1	79.5	81.1	82.0	82.6	82.7	83.0	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	72.1	81.5	83.6	84.8	85.7	85.9	86.4	86.5	86.6	86.7	86.8	86.8	86.9	86.9	86.9	86.9
IV 1000	72.6	82.7	85.1	86.7	87.9	88.2	88.8	89.0	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7
IV 900	72.7	83.3	86.0	88.0	89.3	89.6	90.4	90.6	90.6	91.1	91.2	91.2	91.3	91.3	91.3	91.3
IV 800	73.0	83.9	86.9	89.0	90.7	91.0	91.8	92.2	92.3	92.9	93.1	93.1	93.2	93.2	93.3	93.3
IV 700	73.1	84.2	87.3	89.7	91.8	92.1	93.1	93.7	93.9	94.9	95.0	95.0	95.2	95.2	95.4	95.4
IV 600	73.2	84.3	87.6	90.1	92.3	92.8	94.1	94.7	94.9	96.1	96.2	96.4	96.6	96.6	96.7	96.7
IV 500	73.2	84.6	87.9	90.6	92.9	93.7	94.9	95.8	95.9	97.6	97.8	97.9	98.2	98.2	98.4	98.4
IV 400	73.2	84.6	88.0	90.7	93.1	93.8	95.2	96.2	96.4	98.2	98.5	98.7	99.0	99.0	99.2	99.2
IV 300	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.3	96.4	98.4	98.8	98.9	99.3	99.3	99.5	99.5
IV 200	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.4	96.4	98.4	98.8	98.9	99.3	99.3	99.5	99.5
IV 100	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.4	96.4	98.4	98.8	98.9	99.3	99.3	99.5	99.5
IV 0	73.2	84.6	88.0	90.7	93.1	93.9	95.2	96.4	96.4	98.4	98.8	98.9	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2609

STERNLID MOORE BUSINESS FORMS INC 22

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49.56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	48.8	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 20000	56.8	60.4	60.9	61.2	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 18000	56.9	60.5	61.1	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	57.2	60.8	61.4	61.7	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 14000	57.5	61.2	61.7	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	58.9	62.8	63.4	63.7	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	62.0	66.2	66.8	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	63.0	67.3	68.0	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 8000	64.3	68.7	69.4	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	65.8	70.2	71.0	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	66.5	71.0	71.9	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 5000	67.7	72.5	73.4	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2
IV 4500	67.9	72.9	73.8	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7
IV 4000	68.4	73.8	74.7	75.2	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7
IV 3500	68.5	74.2	75.1	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	69.6	75.5	76.5	77.0	77.3	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5
IV 2500	71.1	77.7	78.8	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
IV 2000	73.2	80.6	81.8	82.4	82.8	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 1800	73.6	81.3	82.6	83.2	83.6	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 1500	74.2	83.0	84.4	85.1	85.6	85.7	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1
IV 1200	75.0	84.6	86.3	87.2	87.9	88.0	88.2	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
IV 1000	75.2	85.2	87.3	88.9	89.8	90.0	90.3	90.3	90.3	90.6	90.7	90.7	90.8	90.8	90.9	90.9
IV 900	75.3	85.7	87.8	89.5	90.5	90.9	91.2	91.3	91.3	91.6	91.7	91.7	91.9	91.9	91.9	91.9
IV 800	75.5	86.2	88.5	90.5	91.7	92.1	92.5	92.8	92.9	93.3	93.5	93.5	93.7	93.7	93.7	93.7
IV 700	75.6	86.7	89.2	91.3	92.8	93.3	93.8	94.2	94.4	94.9	95.2	95.2	95.3	95.3	95.4	95.4
IV 600	75.6	86.9	89.5	91.7	93.4	94.0	94.8	95.3	95.5	96.2	96.5	96.7	96.9	97.0	97.0	97.0
IV 500	75.6	87.1	89.7	92.0	93.9	94.5	95.7	96.3	96.5	97.3	97.7	97.8	98.1	98.2	98.3	98.3
IV 400	75.6	87.2	89.7	92.1	94.0	94.6	96.0	96.7	96.9	97.8	98.2	98.3	98.6	98.7	98.8	98.8
IV 300	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.0	98.0	98.7	98.8	99.1	99.2	99.4	99.4
IV 200	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.1	98.0	98.8	99.1	99.3	99.4	99.7	99.7
IV 100	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.1	98.0	98.9	99.2	99.5	99.6	99.9	100.0
IV 0	75.6	87.2	89.8	92.2	94.1	94.7	96.1	96.8	97.1	98.0	98.9	99.2	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2600

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45,47-49,56-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	51.4	55.0	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 20000	58.8	63.1	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4
IV 18000	59.0	63.3	64.0	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6
IV 16000	59.1	63.4	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.7	64.7	64.7
IV 14000	59.4	63.8	64.4	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
IV 12000	60.4	65.0	65.7	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
IV 10000	62.6	67.4	68.1	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8
IV 9000	63.0	67.9	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.4	69.4
IV 8000	64.5	69.5	70.2	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9
IV 7000	65.6	70.7	71.4	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1
IV 6000	66.0	71.3	72.1	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8
IV 5000	66.8	72.7	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1
IV 4500	67.4	73.2	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
IV 4000	68.0	74.2	75.0	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7
IV 3500	68.7	75.1	75.9	76.4	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8
IV 3000	70.2	76.8	77.8	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
IV 2500	71.2	78.7	79.8	80.5	80.7	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9
IV 2000	72.0	80.5	81.8	82.6	82.9	83.0	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.3
IV 1800	72.5	81.3	82.6	83.5	83.9	84.0	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3
IV 1500	73.5	82.8	84.3	85.5	86.1	86.2	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.6	86.6	86.6
IV 1200	74.2	83.9	85.6	87.0	87.6	87.8	88.0	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	74.5	84.8	86.6	88.3	89.1	89.3	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.3	90.3	90.3
IV 900	74.6	85.4	87.2	89.0	90.0	90.3	90.8	90.9	91.0	91.2	91.2	91.2	91.3	91.3	91.4	91.4
IV 800	74.8	85.8	87.7	89.7	90.8	91.1	91.8	92.0	92.1	92.3	92.3	92.3	92.5	92.5	92.5	92.5
IV 700	74.8	86.2	88.3	90.5	91.6	92.2	93.0	93.1	93.3	93.5	93.6	93.6	93.8	93.8	93.8	93.8
IV 600	74.9	86.5	88.6	91.0	92.2	92.8	93.9	94.1	94.3	94.6	94.9	94.9	95.1	95.1	95.2	95.2
IV 500	74.9	86.7	88.9	91.4	92.6	93.2	94.5	94.8	94.9	95.3	95.8	95.8	96.0	96.0	96.0	96.0
IV 400	75.0	86.8	89.1	91.6	93.0	93.6	94.9	95.3	95.4	95.9	96.5	96.5	96.7	96.7	96.7	96.7
IV 300	75.0	86.9	89.2	91.7	93.1	93.9	95.3	95.7	95.9	96.7	97.6	97.7	98.0	98.1	98.1	98.1
IV 200	75.0	86.9	89.2	91.7	93.1	93.9	95.4	95.9	96.0	96.9	98.0	98.1	98.5	98.7	98.8	98.8
IV 100	75.0	86.9	89.2	91.7	93.1	93.9	95.5	96.0	96.2	97.2	98.3	98.5	99.0	99.2	99.3	99.4
IV 0	72.0	86.9	89.2	91.7	93.1	93.9	95.5	96.0	96.2	97.2	98.3	98.5	99.1	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2392

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13967 STATION FORT RILEY KANSAS/MARSHALL AAF STAT OPR NAME 39-45,47-49,56-72 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	50.8	54.8	55.2	55.5	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.3	56.3
IV 20000	58.5	63.3	63.7	64.2	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	65.0	65.0
IV 18000	58.6	63.4	63.8	64.3	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.9	64.9	65.0	65.0
IV 16000	58.8	63.6	64.0	64.4	64.7	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.2	65.2
IV 14000	58.9	63.9	64.3	64.7	65.0	65.0	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.5	65.5
IV 12000	59.6	64.7	65.2	65.6	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.4	66.4
IV 10000	61.3	66.5	66.9	67.4	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.1
IV 9000	61.5	66.7	67.1	67.6	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.4	68.4
IV 8000	62.8	68.2	68.7	69.2	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	70.0	70.0
IV 7000	63.5	69.2	69.7	70.2	70.5	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.8	70.8	71.0	71.0
IV 6000	64.5	70.5	71.0	71.5	71.8	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.3	72.3
IV 5000	65.1	71.5	72.0	72.6	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.4	73.4
IV 4500	65.6	72.0	72.5	73.1	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.9	73.9
IV 4000	66.5	73.2	73.7	74.3	74.6	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.1	75.1
IV 3500	67.3	74.4	75.0	75.7	76.0	76.0	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.5	76.5
IV 3000	68.0	75.3	76.0	76.8	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.6	77.6	77.7	77.7
IV 2500	69.1	76.9	77.7	78.5	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.5	79.5
IV 2000	71.2	79.9	80.9	81.8	82.2	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.9	82.9
IV 1800	71.8	80.8	81.9	82.8	83.3	83.3	83.5	83.6	83.6	83.9	83.9	83.9	84.0	84.0	84.1	84.1
IV 1500	72.3	81.9	83.1	84.4	85.1	85.1	85.3	85.5	85.5	85.8	85.8	85.8	85.8	85.8	86.0	86.0
IV 1200	73.3	83.2	84.5	85.8	86.7	86.8	87.2	87.4	87.4	87.7	87.7	87.7	87.8	87.8	88.0	88.0
IV 1000	73.8	84.5	85.9	87.5	88.7	88.8	89.3	89.7	89.7	90.1	90.1	90.1	90.2	90.2	90.3	90.3
IV 900	74.0	85.0	86.5	88.1	89.8	90.0	90.6	90.9	90.9	91.3	91.3	91.3	91.4	91.4	91.6	91.6
IV 800	74.3	85.8	87.4	89.0	90.8	91.0	91.6	91.9	91.9	92.4	92.4	92.4	92.5	92.5	92.6	92.6
IV 700	74.4	86.0	87.8	89.6	91.4	91.6	92.2	92.6	92.6	93.2	93.2	93.2	93.3	93.3	93.5	93.5
IV 600	74.4	86.2	88.1	90.0	91.9	92.1	92.8	93.2	93.2	93.8	93.9	93.9	94.1	94.1	94.2	94.2
IV 500	74.5	86.4	88.4	90.5	92.5	92.7	93.5	94.0	94.1	94.8	94.8	94.8	95.1	95.1	95.4	95.4
IV 400	74.5	86.4	88.5	90.7	92.8	93.1	94.1	94.5	94.5	95.4	95.4	95.4	95.9	95.9	96.2	96.2
IV 300	74.5	86.4	88.5	90.7	92.9	93.2	94.3	94.8	94.8	95.8	95.8	95.8	96.6	96.6	96.9	96.9
IV 200	74.5	86.4	88.5	90.7	92.9	93.2	94.4	94.9	95.0	96.1	96.1	96.1	97.0	97.0	97.6	97.6
IV 100	74.5	86.4	88.6	90.8	93.0	93.3	94.7	95.3	95.3	96.6	96.6	96.6	97.6	97.6	98.4	98.4
IV 0	74.5	86.4	88.6	90.8	93.0	93.3	94.7	95.3	95.5	96.6	96.6	96.6	97.6	97.6	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 2337

SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later; clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

13947  
 STATION

FORT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

46-50,56-70  
 PERIOD

ALL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	30.6	4.3	5.0	4.0	3.0	1.8	2.7	3.4	4.0	2.9	38.3	5.3	13753
FEB		27.2	4.3	5.0	4.0	3.5	2.1	2.9	3.6	4.5	3.3	39.5	5.5	12349
MAR		24.0	4.4	4.3	3.9	3.6	2.0	3.1	4.0	5.6	3.5	41.1	5.8	13354
APR		23.2	4.7	5.2	5.2	4.2	2.8	3.5	4.9	6.0	3.9	36.6	5.7	12736
MAY		21.5	5.5	5.9	5.3	4.7	3.0	4.2	5.3	6.5	4.3	33.9	5.6	12780
JUN		19.8	6.0	6.9	6.3	5.4	4.1	4.4	6.2	8.2	5.1	27.7	5.4	11997
JUL		23.5	6.0	8.1	7.1	6.0	4.8	4.3	6.6	7.9	5.0	18.9	4.6	12923
AUG		30.2	7.6	7.9	6.8	5.7	4.5	4.0	5.4	5.7	4.4	17.9	4.1	13410
SEP		36.9	5.6	6.4	5.1	4.2	2.9	2.8	3.7	5.2	3.9	23.3	4.2	13306
OCT		41.0	5.0	5.2	4.8	3.6	2.6	3.2	3.4	4.5	3.5	23.1	4.0	13738
NOV		34.8	4.6	4.6	4.3	3.3	2.0	3.1	3.7	4.9	3.4	31.4	4.8	13303
DEC		29.6	4.3	4.5	4.1	3.4	2.1	2.7	3.5	4.6	3.2	37.9	5.4	13758
TOTALS		28.6	5.4	5.8	5.1	4.2	2.9	3.4	4.5	5.6	3.9	30.8	5.0	157407



4

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SKY COVER**

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

47-50,56-70  
PERIOD

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	37.3	2.2	4.1	4.1	3.6	1.3	2.9	2.7	2.4	.8	38.6	4.9	1440
	03-05	37.2	2.1	4.2	2.5	2.8	1.9	2.6	3.1	3.0	1.7	38.8	5.0	1440
	06-08	25.1	4.6	6.0	4.2	3.2	2.4	2.7	3.6	5.0	3.0	40.1	5.6	1609
	09-11	20.0	6.0	4.8	4.0	3.8	1.9	2.0	3.4	5.1	6.1	42.9	6.1	1310
	12-14	19.1	5.8	6.5	4.7	3.2	2.6	3.0	3.9	6.2	4.8	40.2	6.0	1611
	15-17	17.1	6.1	6.0	4.5	4.0	2.9	3.1	4.1	6.6	5.3	40.2	6.1	1610
	18-20	25.2	5.0	4.2	4.4	4.2	2.1	3.6	4.7	5.2	3.4	38.2	5.6	1517
	21-23	36.4	2.4	4.4	3.9	3.0	1.7	3.6	3.0	2.8	1.4	37.3	4.9	1512
TOTALS		27.2	4.3	5.0	4.0	3.5	2.1	2.9	3.6	4.5	3.3	39.5	5.5	12349



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

13947 FORT RILEY KANSAS/MARSHALL AAF 47-50,56-70 APR  
 STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	38.2	2.7	4.8	4.8	3.7	2.0	2.7	3.0	3.9	1.2	33.0	4.6	1529
	03-05	32.1	3.4	5.4	4.2	4.1	2.3	2.5	4.7	4.2	2.3	34.8	5.0	1530
	06-08	16.9	4.9	5.2	5.1	3.9	2.7	4.3	5.9	7.1	4.8	39.3	6.2	1670
	09-11	16.3	5.6	5.7	5.0	3.7	2.9	3.9	5.7	6.2	5.0	39.9	6.2	1671
	12-14	14.8	6.0	5.4	5.4	4.4	3.4	3.6	5.6	7.5	4.8	39.2	6.2	1659
	15-17	13.2	5.5	4.8	6.0	4.9	4.3	3.8	5.8	7.4	5.4	39.0	6.4	1617
	18-20	19.0	5.9	5.2	5.9	4.8	2.4	4.0	5.2	7.1	5.0	35.0	5.8	1530
	21-23	35.0	3.6	5.1	4.5	3.7	2.7	2.9	2.9	4.2	2.4	32.9	4.8	1530
TOTALS		23.2	4.7	5.2	5.2	4.2	2.8	3.5	4.9	6.0	3.9	36.6	5.7	12736

4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SKY COVER

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

47-50,56-70  
PERIOD

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	37.6	2.9	5.7	3.4	3.9	1.1	3.7	3.3	3.9	.8	33.7	4.7	1531
	03-05	28.6	4.8	5.6	5.0	3.4	2.3	3.5	4.8	4.9	2.2	34.9	5.2	1532
	06-08	16.6	5.8	5.4	4.8	4.5	3.0	3.3	4.3	7.8	6.9	37.5	6.1	1682
	09-11	15.8	7.4	4.2	5.2	4.4	3.7	3.8	5.5	7.1	4.2	38.8	6.1	1680
	12-14	12.4	5.5	5.8	5.1	5.0	4.1	5.9	6.8	9.0	5.4	35.0	6.3	1668
	15-17	12.6	6.4	5.9	6.8	6.8	4.5	5.1	7.3	7.1	7.0	30.5	5.9	1622
	18-20	18.5	6.8	7.6	6.6	4.3	3.1	3.8	6.5	7.6	5.1	30.1	5.5	1533
	21-23	29.9	4.2	6.7	5.2	5.5	2.0	4.2	4.0	4.9	2.9	30.5	4.9	1532
TOTALS		21.5	5.5	5.9	5.3	4.7	3.0	4.2	5.3	6.5	4.3	33.9	5.6	12780



4

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

1947  
 STATION

FURT RILEY KANSAS/MARSHALL AAF  
 STATION NAME

46-49,56-70  
 PERIOD

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	40.0	5.0	7.5	4.4	3.6	1.9	3.3	5.3	5.0	2.1	21.7	3.9	1512
	03-05	28.1	6.1	7.9	5.7	5.3	4.0	3.8	5.3	5.7	2.8	25.3	4.6	1515
	06-08	16.6	7.1	6.0	7.1	5.6	4.0	4.3	7.1	8.8	8.1	25.4	5.6	1730
	09-11	18.3	7.9	8.3	7.1	5.1	4.7	3.8	6.9	9.0	7.4	21.6	5.1	1726
	12-14	16.4	8.4	8.0	7.7	7.7	6.4	4.5	8.3	10.3	5.8	16.5	4.9	1720
	15-17	15.7	9.6	8.2	9.3	8.5	7.9	5.4	8.4	9.6	5.9	11.4	4.6	1690
	18-20	20.9	11.9	9.9	8.1	6.1	5.9	5.0	6.3	8.3	4.7	12.9	4.2	1515
	21-23	31.8	7.8	8.6	7.5	6.0	3.8	3.9	4.9	6.6	3.0	16.2	3.9	1515
	TOTALS	23.5	8.0	8.1	7.1	6.0	4.8	4.3	6.6	7.9	5.0	18.9	4.6	12923





DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SKY COVER**

13947 FURT RILEY KANSAS/MARSHALL AAF 46-49,56-70 OCT  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
UCT	00-02	55.5	2.5	3.8	2.9	2.6	1.8	2.2	2.6	2.7	1.7	21.7	3.2	1671
	03-05	52.2	3.1	4.1	4.7	2.2	1.9	2.1	1.9	3.7	1.5	22.7	3.4	1673
	06-08	34.9	5.4	5.6	3.4	4.0	2.9	3.3	4.3	5.2	3.9	25.1	4.4	1763
	09-11	31.0	7.5	5.9	4.3	3.3	3.0	4.3	3.5	4.8	6.4	26.1	4.7	1759
	12-14	32.0	6.1	5.1	5.0	4.9	3.7	4.1	4.4	5.7	5.3	23.7	4.5	1757
	15-17	29.8	6.6	6.6	7.6	4.3	3.7	3.9	4.9	5.2	4.2	23.2	4.5	1767
	18-20	40.0	5.5	6.0	4.1	5.2	2.4	3.4	3.6	5.1	3.0	21.7	3.9	1674
	21-23	52.8	3.5	4.8	4.4	2.2	1.7	2.2	2.1	3.8	1.7	20.7	3.3	1674
TOTALS		41.0	5.0	5.2	4.8	3.6	2.6	3.2	3.4	4.5	3.5	23.1	4.0	13738

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

13947 FORT RILEY KANSAS/MARSHALL AAF

46-49,56-70

NDV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NDV	00-02	45.0	2.5	5.1	3.7	2.9	1.2	2.4	2.4	3.0	1.1	29.8	4.0	1619
	03-05	44.5	2.5	3.1	4.3	3.1	1.4	2.5	2.8	3.0	1.1	31.7	4.3	1619
	06-08	32.4	6.0	4.0	4.8	2.9	2.1	2.3	3.8	5.4	3.3	33.0	4.9	1709
	09-11	27.1	5.2	5.0	4.0	3.0	2.1	3.2	3.9	6.0	5.4	34.9	5.4	1710
	12-14	24.9	6.0	4.9	5.0	3.9	2.8	3.8	4.2	5.7	5.8	32.8	5.4	1704
	15-17	23.5	7.7	5.7	4.8	2.9	2.9	4.6	5.0	6.9	5.0	30.7	5.3	1703
	18-20	35.2	4.3	5.0	4.3	4.5	1.4	3.2	4.6	5.0	3.0	29.6	4.7	1619
	21-23	44.8	2.3	4.3	3.8	3.5	1.7	2.3	2.9	3.9	2.3	28.3	4.1	1620
TOTALS		34.8	4.6	4.6	4.3	3.3	2.0	3.1	3.7	4.9	3.4	31.4	4.8	13303

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

SKY COVER

13947 FORT RILEY KANSAS/MARSHALL AFB 46-49, 56-70 DEC  
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	38.8	3.3	4.7	4.1	2.5	1.1	2.2	3.3	3.2	1.6	35.4	4.7	1673
	03-05	42.7	2.4	5.8	3.3	2.9	1.6	1.4	2.0	2.7	1.0	35.1	4.5	1674
	06-08	29.4	5.3	5.6	4.3	3.5	2.4	2.2	3.7	5.2	3.1	35.5	5.2	1764
	09-11	20.7	5.0	5.0	3.6	3.0	2.5	2.5	3.7	5.9	6.4	41.1	6.1	1767
	12-14	18.4	5.8	4.6	4.3	4.4	2.1	3.0	4.4	6.8	4.4	41.8	6.2	1766
	15-17	22.1	5.2	4.2	3.8	4.4	3.0	3.3	4.9	5.5	4.9	38.7	5.9	1766
	18-20	29.0	4.4	5.1	4.5	3.5	2.8	3.3	3.0	4.2	2.4	37.6	5.3	1674
	21-23	35.8	2.6	4.4	4.7	2.7	1.5	3.0	2.9	3.2	1.4	37.7	5.0	1674
TOTALS		29.6	4.3	4.8	4.1	3.4	2.1	2.7	3.5	4.6	3.2	37.9	5.4	13758

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\Sigma X^2$ ), sums of values ( $\Sigma X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

4

ATLANTA, GEORGIA  
 1957-1967

### DAILY TEMPERATURES

STATION ATLANTA, GEORGIA STATION NAME ATLANTA, GEORGIA YEARS 1957-1967

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP. (°F)	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
110							2.2						2.2
105							2.4	1.1					3.5
100					1.1	1.7	12.8	9.9	2.4				17.2
95					1.0	10.4	29.9	26.7	6.3				44.3
90				.7	7.1	27.4	54.8	51.3	22.1	2.1			72.7
85		.1	.2	4.5	22.4	54.8	79.2	71.7	34.9	10.1			83.1
80		.3	3.2	13.6	42.4	77.4	93.7	86.1	54.5	25.3	.1		92.7
75		.7	5.1	26.6	52.5	88.0	97.8	95.9	74.8	40.2	2.7		97.2
70	.1	1.7	16.0	43.0	72.7	95.0	99.4	99.3	86.4	56.4	2.4		99.1
65	.3	4.1	24.8	37.4	28.2	98.3	100.0	100.0	73.7	70.2	20.5	3.1	99.7
60	.6	10.5	34.3	71.4	93.3	99.3			97.3	81.7	34.2	9.1	99.9
55	1.8	20.2	44.8	82.5	90.0	100.0			92.5	91.4	72.3	19.0	99.9
50	21.1	31.8	55.5	91.3	99.2				92.8	95.9	61.2	31.6	99.9
45	23.2	43.4	66.4	96.8	100.0				100.0	99.7	77.3	41.1	99.9
40	24.7	56.2	79.2	99.4						99.4	84.3	54.9	99.9
35	27.1	72.6	89.8	100.0						99.9	90.1	70.2	99.9
30	71.4	83.2	94.8							100.0	97.4	81.6	99.9
25		91.8	97.2								97.8	90.7	99.7
20	87.2	96.3	98.1								97.9	95.1	99.7
15	92.7	99.2	99.7								100.0	98.3	99.7
10	97.0	100.0	99.9									99.9	99.7
5	97.0		100.0									100.0	99.7
0	99.0												100.0
-5	100.0												100.0
MEAN	57.7	49.5	38.7	26.3	14.3	6.6	2.5	0.8	0.7	0.7	0.0	0.0	0.0
S.D.	17.1	13.9	11.6	10.1	8.1	6.6	5.5	4.7	4.1	3.6	3.1	2.7	2.7
TOTAL OBS	17	762	117	817	43	765	214	82	639	9	12	1	1

# DAILY TEMPERATURES

STATION: WILEY A. SARGENT AIR YEARS: 1950-1951

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						2.7	7.8	1.0					
75					4.9	26.5	41.2	36.7	12.4				
70				1.7	12.7	46.8	72.6	83.1	84.7	85.1			
65				3.4	28.1	71.7	90.0	83.1	45.2	10.3	1.0		
60			1.3	12.9	41.5	80.7	97.7	95.4	5.9	21.1	1.7		
55			4.6	25.5	64.3	97.5	99.4	92.4	7.3	35.2	6.4		
50		2.7	8.4	42.8	67.9	99.7	99.9	100.0	89.3	52.4	1.7		
45		2.5	14.7	62.3	87.9	100.0	100.0		92.4	77.7	1.7	2.1	
40		2.5	17.5	78.3	92.3				90.0	45.1	1.4	9.1	
35		12.7	37.6	63.1	89.3				90.0	49.7	4.0	14.0	
30	1.0	20.8	51.4	91.3	99.3				100.0	94.1	17.0	21.1	11.1
25	1.0	51.7	72.4	87.0	100.0					99.1	13.0	4.0	
20	1.0	88.7	93.0	100.0						100.0	21.0	0.0	
15	1.0	95.1	93.0	100.0							7.7	7.0	
10	1.0	97.4	95.4								1.4	87.0	
5	1.0	98.3	95.4								1.0	91.0	
0	1.0	99.3	93.0								1.0	91.0	
-5	1.0	99.3	93.0									91.0	
-10	1.0	99.3	100.0									91.0	
-15	1.0	99.7										10.0	
-20	1.0	100.0											100.0
-30	100.0												100.0
MEAN		21.4	22.8	42.7	53.7	67.5	68.1	66.1	52.1	48.7	22.0	2.0	
S.D.	1.0	11.1	10.3	10.1	9.3	7.9	8.5	8.0	10.4	12.2	12.0	10.0	
TOTAL OBS.		7.0	6.7	8.7	8.0	7.0	8.1	8.0	8.0	8.0	8.0	8.0	

# DAILY TEMPERATURES

STATION NAME: ST. WILEY CAS/ ARS ALL AR YEARS: 1961, 1967

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP. (°F)	JAN.	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95													1.1
90						1.2	6.4	1.0					1.2
85					1.1	6.5	21.5	17.0	4.2				1.2
80					1.9	23.1	47.4	44.0	14.7				11.0
75			.1	2.1	12.7	31.1	77.3	67.7	2.2	4.1			11.1
70			1.2	7.2	32.8	71.2	94.4	69.0	42.1	13.0			11.1
65			1.7	15.2	32.3	80.1	95.3	97.0	67.9	27.0	1.7		17.7
60			2.1	33.8	71.4	97.7	100.0	99.9	68.9	46.0			11.1
55		1.0	15.2	49.0	71.2	92.1		100.0	71.4	63.0	1.0		11.1
50	1.0	4.1	21.3	86.0	91.1	100.0			51.2	87.0	1.7	4.0	2.3
45	4.0	12.2	32.3	63.8	70.4				22.0	92.1	21.2	12.0	6.0
40	12.0	22.1	22.6	84.2	100.0				100.0	98.1	4.2	27.0	71.0
35	2.0	42.3	71.0	78.1						99.0	11.1	44.0	61.7
30	27.0	66.7	64.8	100.0						99.0	21.1	60.0	82.4
25	6.0	75.4	57.3							100.0	27.0	7.0	11.1
20	11.0	83.9	57.5								2.4	65.0	27.1
15	11.0	94.4	97.7								22.1	91.0	97.3
10	5.0	98.6	98.3								100.0	90.0	9.0
5	2.0	98.6	99.8									98.0	47.0
0	2.0	99.7	100.0									100.0	97.0
-5	0.0	100.0											100.0
-10	100.0												100.0
MEAN		32.1	47.4	54.7	58.9	76.2	79.4	77.0	57.0	57.0	42.0	35.0	
S.D.	1.0	1.2	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
TOTAL OBS		71.0	117.0	147.0	140.0	705.0	814.0	81.0	27.0	2.0	2.0	2.0	2.0

DATA PROCESSING BRANCH  
 USAF/ETAC/CL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

1947 FORT RILEY KANSAS/MARSHALL AFB 19-50, 56-72  
 STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
30			83	85	90	98	107	103	107	97	72	77	
31	40	69	88	89	92	107	109	104	97	92	73	64	103
41		61	75	83	92*	97	108		97	87	73	66	
42	63	61	79	92	91	92	103	102	92	99	77	60	102
43	61	70	84	90	91	96	101	106	94	92	71	67	100
44	66	72	86	76	74	95	98	104	94	82	79	47	104
45	59	67	82	82	89	94	99	97	92	92	72	67	95
46	60						100	100	94	91	70	71	
47	62	67	78*	77*	80			* 103	112	72	64	66	
48	59	70	78	89	89	96	96	100	98	84	71	63	100
49	53	61	75	84	88	97	105	100	88	71	77	60	105
50	64	70	86	92*	94								
51		* 69**	83**	87**	91**	104*	108	100	105	97	72	66	
52	59	54	78	79	81	97	103	101	93	92	74	62	104
53	56	70	59	79	92	97	97	100	95	69	75	60	100
54	55	64	75	88	93	97	97	102	97	75	77	66	102
55	63	55	81	83	91	103	103	102	97	58	79	58	103
56	61	67	73	88	90	96	103	100	98	82	74	65	103
57	54	69	79	87	93	91	96	105	91	83	72	72	103
58	61	71	87	84	93	97	105	105	95	100	74	68	103
59	69	59	74	87	94	97	105	101	94	84	87	64	105
60	60	66	70	94	88	93	102	100	95	92	77	64	102
61	36	67	90	82	95	104	112	99	91	84	74	65	112
62	70	74	89	89	100	90	99	90	86	82	70	62	100
63	67	80	84	82	89	101	98	95	94	89	68	59	101
64	54	53	77	79	87	95	100	102	93	83	76	50	102
70	60	72	78	90	89	96	103	106	100	83	71	67	104
71	53	67	81	86	89	103	99	97	104*	91*	78*	56	104
72	* 61*	84	87	85*	88	96*	106	94*	100*	88*	67*	64	* 104
MEAN	59.9	66.9	77.3	85.5	91.1	97.2	102.4	101.4	96.3	97.8	73.0	63.7	103.1
S.D.	4.190	6.701	7.034	4.727	3.775	3.787	4.379	3.534	5.609	4.993	3.547	4.454	3.322
TOTAL OBS.	805	763	867	807	841	768	814	920	839	854	438	463	9876

NOTES \* (BASED ON < FULL MONTHS)  
 # (AT LEAST ONE DAY < 24 HRS)

DATA PROCESSING BRANCH  
 USAF/ETAC/IL A  
 AIR CENTER SERVICE/AC

**EXTREME VALUES**  
 MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13947 80FT RILEY KANSAS/MARSHALL AFB 39-50, 56-72  
 STATION NAME YEARS

WINDS IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
31			1	22	36	51	59	51	31	21	18	-7	
40	-15	0	18	19	35	49	50	52	30	32	3	7	-13
41		11	13	24	42*	48	55		42	27	15	12	
4	-9	7	18	23	35	43	54	54	34	17	17	9	-9
42	-14	17	-2	31	47	55	57	47	41	29	14	-11	-13
44	-2	-1	13	20	27	50	52	52	42	31	12	7	-2
45	5	12	10	22	32	43	57	53	39	29	19	-9	-9
46	7						56	46	33	32	19	-7	
47	-26	-2	7*	37*	33			63	40	33	12	2	
48	-13	-3	-10	27	35	49	54	52	40	28	14	2	-13
49	-6	4	3	27	44	54	55	51	31	21	20	6	-6
50	-2		7	18*	34								
51		# -11**	9**	27**	43**	50*	55	47	40	34	15	7	
52	1	12	15	23	36	50	59	59	45	23	21	5	1
53	2	1	18	33	37	50	59	51	38	22	7	-1	-1
54	-20	-1	20	26	37	50	53	52	42	31	6	17	-20
55	1	-2	-3	30	35	52	53	57	45	24	16	6	-3
56	-3	1	20	22	29	50	54	47	36	20	17	-11	-11
57	-10	-2	-1	15	41	54	55	53	40	27	20	-8	-10
58	-10	5	18	27	30	56	62	54	41	24	17	-5	-10
59	-9	5	13	30	38	40	55	49	36	23	5	-7	-9
60	2	-5	8	28	40	53	55	52	37	24	5	14	-9
61	-7	0	14	25	33	52	65	54	39	21	12	-4	-7
62	-1	2	-5	20	32	50	48	47	33	30	18	-1	-9
63	-10	2	8	20	34	45	44	56	46	30	19	-7	-10
64	-10	3	2	30	38	47	59	57	43	22	16	5	-10
65	-3	4	16	18	33	49	49	51	39	27	9	13	-3
66	-14	-15	8	24	35	59	50	56	41*	41*	25*	14	-18
67	* -8*	-3	12	22*	41	45*	43	50*	33*	26*	22*	-7	* -6
MEAN	-6.6	2.0	6.0	29.2	36.1	49.3	54.7	53.0	38.6	27.7	15.0	1.2	-1.4
S.D.	7.736	7.934	8.150	5.327	4.258	4.280	5.372	6.011	4.202	4.550	5.614	4.012	5.254
TOTAL OBS.	809	763	867	807	840	766	114	820	819	834	899	907	9176

\* (BASED ON < FULL MONTHS)

# (AT LEAST ONE DAY < 24 UES)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50,56-72

ALL  
 MONTH

PAGE 1

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
112/111																		.0	4	4					
110/109																		.0	7	7					
108/107															.0	.0	.0	.0	32	32					
106/105														.0	.0	.0	.0	.0	32	32					
104/103											.0	.0	.0	.0	.0	.0	.0	.0	200	200					
102/101										.0	.0	.0	.0	.0	.0	.0	.0	.0	299	299					
100/99										.0	.0	.0	.0	.1	.1	.0	.0	.0	525	525					
98/97						.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	725	725					
96/95						.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	1168	1168					
94/93			.0			.0	.0	.0	.0	.1	.2	.1	.1	.1	.0	.0	.0	.0	1572	1572					
92/91			.0			.0	.0	.0	.1	.2	.2	.1	.1	.1	.0	.0	.0	.0	2106	2110					
90/89			.0	.0		.0	.0	.1	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	2823	2824	4				
88/87			.0	.0		.0	.1	.3	.3	.3	.2	.1	.1	.1	.0	.0	.0	.0	3322	3325	3				
86/85		.0	.0	.0		.1	.2	.4	.4	.3	.2	.2	.1	.0	.0	.0	.0	.0	4148	4150	11				
84/83		.0	.0	.0	.0	.2	.4	.4	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	4524	4528	44				
82/81	.0	.0	.0	.1	.3	.3	.5	.4	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	5348	5354	148				
80/79		.0	.1	.3	.5	.5	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	6411	6415	765				
78/77	.0	.0	.2	.5	.6	.4	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	6590	6593	2289				
76/75	.0	.1	.5	.6	.7	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	7299	7303	2044				
74/73	.0	.2	.6	.7	.7	.4	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	7327	7333	7330				
72/71	.0	.3	.6	.6	.5	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	7549	7554	9341				
70/69	.1	.5	.7	.6	.4	.4	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	8143	8151	10432				
68/67	.1	.6	.7	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	7615	7627	10033				
66/65	.1	.6	.7	.5	.4	.3	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	7238	7248	9848				
64/63	.1	.7	.6	.4	.3	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	6696	6702	9205				
62/61	.1	.7	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6597	6599	8569				
60/59	.1	.7	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6648	6653	8101				
58/57	.1	.6	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6327	6331	7473				
56/55	.1	.6	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	6066	6070	7416				
54/53	.1	.5	.5	.4	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5774	5777	6946				
52/51	.1	.6	.5	.5	.4	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	5845	5852	6774				
50/49	.1	.6	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6039	6044	6602				
48/47	.1	.6	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5718	5725	6704				
46/45	.1	.7	.5	.6	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5860	5870	7026				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.				Mean No. of Hours with Temperature				Total												
Rel. Hum.					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F															
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 4 JUL 64 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
44/43	.2	.6	.7	.0	.3	.1	.0	.0										5805	5826	7140	6085			
42/41	.2	.6	.7	.6	.3	.1	.0											5712	5733	6789	6188			
40/39	.2	.7	.9	.5	.3	.1	.0											6122	6143	6943	6404			
38/37	.2	.9	.8	.4	.2	.0	.0											6291	6313	7521	5200			
36/35	.2	1.2	.9	.5	.1	.0												6604	6623	7384	7432			
34/33	.3	1.3	.9	.3	.1	.0												6645	6659	7533	7533			
32/31	.3	1.4	.8	.3	.0	.0												6431	6439	8210	9132			
30/29	.4	1.2	.7	.2	.0	.0												5724	5735	7216	8610			
28/27	.4	1.2	.6	.1	.0													5024	5032	6798	6579			
26/25	.4	1.1	.4	.1	.0													4599	4610	5682	8089			
24/23	.3	.9	.4	.0														3547	3546	4589	6959			
22/21	.2	.9	.3	.0														3121	3128	3753	6339			
20/19	.3	.8	.2	.0														2781	2792	3366	4656			
18/17	.2	.6	.1	.0														2187	2195	2753	4773			
16/15	.2	.6	.1	.0														1969	1974	2278	3913			
14/13	.2	.4	.0															1526	1529	1834	3204			
12/11	.1	.4	.0															1315	1321	1533	2919			
10/9	.2	.3	.0															1202	1202	1771	2165			
8/7	.1	.3	.0															914	922	1078	2062			
6/5	.1	.2	.0															777	779	862	1841			
4/3	.1	.1	.0															493	507	609	1401			
2/1	.1	.1																395	399	402	1292			
0/-1	.1	.1																289	295	373	956			
-2/-3	.1	.0																214	217	228	621			
-4/-5	.0	.0																160	163	181	670			
-6/-7	.0	.0																86	91	110	477			
-8/-9	.0	.0																57	59	63	400			
-10/-11	.0	.0																34	35	37	294			
-12/-13	.0																	14	14	14	169			
-14/-15	.0																	10	10	10	133			
-16/-17	.0																	6	6	6	126			
-18/-19	.0																	3	3	3	128			
-20/-21	.0																	1	1	1	37			
-22/-23	.0																	1	1	1	20			
Element (X)	ΣX <sup>2</sup>	ΣX	Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

ALL  
MONTH

STATION

STATION NAME

YEARS

PAGE 3

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-24/-25		.0	.0															2	2	1	13
-26/-27																				2	10
-28/-29																					4
-30/-31																					3
-32/-33																					2
-34/-35																					3
TOTAL	6.4	7.4	8.1	7.0	13.0	9.7	7.6	6.2	4.8	3.0	2.5	1.7	1.0	.6	.3	.2	.1	.1	227169	226775	
																		226777	226781		

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	1103818878	15193952	67.0	19.431	226727							8760
Dry Bulb	779356421	12336953	54.3	21.942	227169	34.4	1645.1	3051.0	2142.1	197.6	171.0	8760
Wet Bulb	599367937	10883447	48.0	18.434	226781	39.8	2048.2	1790.0	617.5	19.2		8760
Dew Point	449556048	9563980	42.2	19.497	226775	157.1	2997.1	962.3	115.7	3.0		8760

USAFETAC FORM 34 JUL 64 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50, 57-72

JAN  
 MONTH

PAGE 1 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70/ 69										.0	.0							3	3					
68/ 67					.0		.0			.0	.0							7	7					
66/ 65				.0	.0	.0	.0	.0	.0		.0							14	16					
64/ 63		.0	.0	.1	.0	.0	.0	.0	.0	.0								38	38					
62/ 61		.0	.0	.1	.0	.0	.0	.0	.0	.0	.0							55	55	5				
60/ 59		.1	.1	.0	.0	.0	.1	.1	.0	.0								77	77	25 11				
58/ 57	.0	.1	.1	.0	.0	.1	.1	.1	.0	.0								100	100	57 12				
56/ 55	.0	.1	.1	.1	.1	.1	.1	.1	.0									114	119	45 39				
54/ 53	.0	.1	.1	.1	.2	.2	.1	.0	.0									165	166	41 59				
52/ 51	.0	.1	.1	.2	.3	.3	.1	.1	.0									227	232	65 54				
50/ 49	.0	.1	.2	.4	.5	.2	.1	.1										295	299	80 36				
48/ 47	.0	.2	.3	.4	.6	.3	.1	.0										354	361	141 54				
46/ 45	.0	.4	.4	.7	.5	.3	.1											454	464	267 63				
44/ 43	.1	.5	.6	.9	.5	.2	.0											518	535	363 122				
42/ 41	.3	.7	.9	.9	.4	.2												651	670	524 224				
40/ 39	.4	.7	1.3	1.0	.5	.1												742	759	647 320				
38/ 37	.6	1.1	1.3	1.0	.4	.0												834	855	809 377				
36/ 35	.6	2.1	1.5	1.2	.2													1059	1076	943 519				
34/ 33	.6	2.8	1.8	.8	.1													1140	1155	1132 760				
32/ 31	.7	2.9	1.7	.7	.1													1174	1182	1369 1090				
30/ 29	.7	3.0	1.6	.4	.0													1130	1141	1277 1131				
28/ 27	1.0	2.9	1.4	.3														1057	1064	1323 942				
26/ 25	1.1	3.1	1.1	.2														1055	1064	1219 1232				
24/ 23	.9	2.6	1.0	.1														877	879	1045 1122				
22/ 21	.9	2.5	.8	.0														827	832	929 1135				
20/ 19	1.0	2.6	.7	.0														822	829	893 884				
18/ 17	.8	2.3	.5	.0														689	695	777 1032				
16/ 15	1.0	2.3	.2															714	717	800 915				
14/ 13	.9	2.1	.3															628	630	671 814				
12/ 11	.8	2.2	.2															604	607	651 821				
10/ 9	.9	1.9	.1															538	540	613 678				
8/ 7	.8	1.7	.0															483	487	543 648				
6/ 5	.8	1.6	.0															459	464	481 607				
4/ 3	.8	1.0	.0															303	315	387 523				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 35-50, 57-72 YEARS JAN MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
2/ 1	.4	.9																247	248	234	577
0/ -1	.5	.9																180	180	251	442
-2/ -3	.5	.4																163	163	165	296
-4/ -5	.3	.4																126	127	137	351
-6/ -7	.2	.1																58	60	80	294
-8/ -9	.2	.0																38	40	42	266
-10/ -11	.2	.0																30	30	33	187
-12/ -13	.1																	11	11	11	82
-14/ -15	.0																	8	8	8	94
-16/ -17	.0																	2	2	2	102
-18/ -19	.0																	2	2	2	100
-20/ -21	.0																	1	1	1	29
-22/ -23		.0																1	1		17
-24/ -25		.0	.0															2	2	1	7
-26/ -27																				2	9
-28/ -29																					3
-30/ -31																					3
-32/ -33																					2
-34/ -35																					3
TOTAL	17,845	9,918	9,954	4,421	2,108	.8	.4	.1	.1	.0								19,091	19,091	19,088	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum	10302392	1309238	71.7	16.81	19086	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	744									
Dry Bulb	17819113	520101	26.9	14.056	19318	24.1	474.5	.4				744									
Wet Bulb	14366382	465230	24.4	12.601	19091	28.6	543.5					744									
Dew Point	10179398	348754	18.3	14.124	19086	89.1	640.7					744									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT KILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72  
STATION STATION NAME YEARS

FEB  
MONTH

PAGE 1 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
80/79															.0											.0						1	1					
78/77																										.0							1	1				
76/75																									.0								2	2				
74/73																									.0								2	2				
72/71												.0												.0									11	11				
70/69											.0	.0												.0									16	16				
68/67								.0	.0	.0	.1	.1											.0	.0	.0								36	36				
66/65								.0	.0	.1	.0	.0											.0	.0									37	37				
64/63	.0							.0	.0	.1	.0	.1											.0	.0									57	57	1	1		
62/61		.0	.0	.0				.1	.1	.1	.1	.1											.0	.0									103	103	1	1		
60/59		.0	.0	.1	.0	.1	.2	.1	.1																									126	126	8	2	
58/57		.0	.0	.1	.1	.2	.2	.2	.0																									160	160	27	5	
56/55	.0	.1	.1	.3	.2	.3	.3	.2	.0	.0																									238	238	55	14
54/53	.0	.1	.2	.2	.3	.4	.3	.1	.0																										282	282	89	22
52/51	.0	.2	.2	.3	.4	.4	.3	.1																											327	327	130	47
50/49	.0	.2	.3	.4	.6	.5	.2	.0																											399	399	210	56
48/47	.0	.2	.4	.5	.7	.6	.2	.0																											429	429	264	79
46/45	.0	.3	.5	.6	.6	.5	.1																												488	488	336	140
44/43	.0	.5	.8	.9	.7	.3	.1																												561	561	472	133
42/41	.1	.9	1.0	1.1	.7	.2	.0																												686	687	583	210
40/39	.3	1.1	1.5	1.0	.7	.2	.0																												859	859	768	359
38/37	.4	1.5	1.7	1.3	.6	.1																													978	978	911	497
36/35	.5	2.5	1.7	1.2	.3	.1																													1081	1081	1073	647
34/33	.7	2.6	2.3	.8	.2	.0																													1148	1148	1235	802
32/31	1.1	3.1	2.4	.6	.1	.0																													1307	1307	1434	1227
30/29	.9	3.2	2.0	.5	.1																														1159	1159	1312	1226
28/27	.8	3.3	1.9	.4	.0																														1120	1120	1426	875
26/25	1.3	3.2	1.4	.3	.0																														1079	1079	1306	1301
24/23	.7	2.5	1.1	.1																															790	790	1018	1373
22/21	.6	2.6	.9	.1																															728	728	867	1249
20/19	.7	2.4	.6	.1																															651	651	822	889
18/17	.7	2.1	.4	.1																															559	559	686	980
16/15	.9	2.0	.2	.0																															526	526	617	885
14/13	.5	1.9	.1																																352	352	443	794
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAF ETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

13947 STATION      EURY RILEY KANSAS/MARSHALL AAF STATION NAME      39-45,47-50,56-72 YEARS      FEB MONTH      PAGE 2      ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
12/ 11	.0	1.3	.1															343	343	390	687
10/ 9	.5	1.0	.0															275	275	322	568
8/ 7	.3	.0	.0															163	164	212	503
6/ 5	.2	.4																123	125	157	491
4/ 3	.1	.2																59	59	78	352
2/ 1	.1	.2																46	47	49	280
0/ -1	.1	.1																28	31	34	170
-2/ -3	.0	.0																10	10	10	145
-4/ -5	.0	.0																6	6	11	122
-6/ -7	.0	.0																2	2	3	56
-8/ -9	.1																	10	10	10	60
-10/-11	.0																	2	2	2	38
-12/-13	.0																	3	3	3	27
-14/-15	.0																	2	2	2	16
-16/-17	.0																	4	4	4	12
-18/-19	.0																	1	1	1	6
-20/-21																					4
-22/-23																					2
-24/-25																					6
-26/-27																					1
-28/-29																					1
TOTAL	12.5	34.9	21.7	11.3	6.4	4.1	2.2	1.1	.4	.1	.1	.1	.0	.0				17390		17383	
																		17382		17382	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	90569097	1212679	69.818	18.497	17378	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	20429157	554067	31.912	635	17390	2.7	361.5	2.9	.5	.0		672
Wet Bulb	10129410	496280	28.619	619	17382	3.1	433.7					672
Dew Point	10845441	383963	22.111	663	17383	25.8	554.7					672

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

MAP  
MONTH

PAGE 1 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
90/ 89														.0			.0				.0	3	3		
88/ 87														.0			.0				.0	8	8		
86/ 85														.0			.0				.0	8	8		
84/ 83														.0			.0				.0	19	19		
82/ 81														.0			.0				.0	29	29		
80/ 79											.0			.0			.1				.1	68	68		
78/ 77								.0		.0	.0			.1			.1				.1	71	71		
76/ 75						.0		.0		.0	.0			.1			.1				.1	91	91		
74/ 73					.0		.0	.1		.1	.1			.1			.1				.1	132	132		
72/ 71			.0		.0		.0	.1		.1	.1			.2			.1				.1	172	172		
70/ 69		.0	.0		.0		.1	.1		.1	.1			.2			.2				.1	227	228		
68/ 67		.0	.0		.1		.1	.2		.2	.2			.2			.3				.1	257	258	1	1
66/ 65		.0	.0		.1		.2	.2		.2	.3			.3			.3				.2	286	287	22	3
64/ 63		.0	.1		.2		.2	.2		.2	.3			.3			.2				.1	328	330	45	5
62/ 61	.0	.0	.2		.2		.3	.3		.3	.3			.3			.1				.0	418	419	125	9
60/ 59	.0	.1	.2		.2		.3	.4		.3	.4			.3			.1				.0	447	447	194	22
58/ 57	.0	.1	.2		.2		.4	.5		.4	.4			.1			.0					487	488	316	81
56/ 55	.0	.1	.2		.3		.5	.5		.5	.3			.1								496	497	364	118
54/ 53	.0	.2	.2		.4		.7	.7		.7	.2			.1								607	607	430	193
52/ 51	.1	.3	.4		.5		.8	.7		.5	.1			.0								675	675	545	216
50/ 49	.1	.4	.5		.7		.8	.8		.3	.1											688	688	583	284
48/ 47	.0	.4	.7		.9		1.0	.7		.3	.0											768	768	771	290
46/ 45	.2	.7	.7		1.0		1.0	.5		.2	.0											836	836	858	381
44/ 43	.2	.8	1.1		1.2		.8	.4		.1	.0											870	870	962	490
42/ 41	.2	1.0	1.2		1.3		.8	.3		.0												932	932	1082	632
40/ 39	.2	1.2	2.0		1.2		.7	.2		.0												1046	1048	1118	736
38/ 37	.4	1.5	1.7		1.7		.7	.1														1133	1134	1286	824
36/ 35	.2	2.1	1.9		1.3		.4	.0														1124	1124	1209	1002
34/ 33	.6	2.3	2.2		.8		.2															1209	1209	1372	1168
32/ 31	.8	2.7	2.0		.7		.1															1212	1212	1560	1521
30/ 29	.7	2.4	1.8		.5		.0															1050	1050	1416	1529
28/ 27	.6	2.3	1.3		.3		.0															846	846	1192	1197
26/ 25	.7	1.8	.8		.2		.0															671	671	1026	1518
24/ 23	.4	1.3	.7		.0																	483	483	682	1293
Element (X)	Σx²		Σx		x̄		sₓ		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 MAR  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
22/ 21	.2	1.2	.4	.0														341	341	503	1170			
20/ 19	.2	1.1	.3															307	307	414	858			
18/ 17	.2	.9	.1	.0														242	242	330	795			
16/ 15	.1	.7	.1															163	163	217	635			
14/ 13	.1	.4	.0															107	107	175	473			
12/ 11	.1	.3	.0															81	81	96	453			
10/ 9	.1	.3	.0															72	72	94	327			
8/ 7	.1	.2	.0															56	56	65	265			
6/ 5	.1	.1																40	40	43	210			
4/ 3	.1	.1																27	27	38	145			
2/ 1	.1	.1																23	23	20	115			
0/ -1	.0	.1																19	19	23	72			
-2/ -3	.1	.0																11	11	15	33			
-4/ -5	.0	.0																6	6	7	46			
-6/ -7	.0																	2	2	2	33			
-8/ -9																					28			
-10/-11																					21			
-12/-13																					9			
-16/-17																					1			
TOTAL	6.9	27.3	21.1	14.1	10.0	6.9	4.0	3.0	2.3	1.5	1.1	.6	.3	.1	.0	.0	.0	19225	19225	19210	19210			
																		19209		19210				
Element (X)	Σx'	Σx	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	87411221	1233261	64.220	6.89	19206	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	26440182	788470	41.0	14.609	19223	1.5	223.6	42.1	16.6	3.9		744												
Wet Bulb	26903694	685470	35.7	11.285	19210	1.8	306.7	4				744												
Dew Point	17861735	540747	28.1	11.724	19210	9.4	494.0	0				744												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-50, 56-72 YEARS MONTH APR

PAGE 1 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22		23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
94/93													.0					1	1	
92/91												.0	.0				.0	4	5	
90/89										.0	.0	.0	.0	.0	.0	.0		18	19	
88/87										.0	.1	.0	.0	.0	.0			47	49	
86/85									.0	.0	.1	.1	.1	.1	.0			65	66	
84/83							.0	.0	.1	.1	.2	.1	.1	.0	.0			115	116	
82/81				.0	.0	.0	.1	.1	.2	.1	.1	.1	.0	.0				159	161	
80/79				.0	.0	.0	.1	.1	.2	.3	.1	.2	.1	.0	.0			240	242	
78/77				.0	.1	.3	.2	.3	.3	.2	.2	.1	.1	.0				294	295	
76/75			.0	.0	.1	.3	.3	.3	.3	.2	.2	.2	.0					368	370	1
74/73		.0	.1	.2	.2	.3	.4	.4	.3	.2	.1	.0						425	428	1
72/71		.1	.2	.3	.3	.5	.3	.5	.2	.2	.1							514	519	15
70/69		.0	.1	.4	.4	.6	.6	.5	.5	.4	.2	.0						710	714	62
68/67		.0	.3	.6	.6	.8	.9	.4	.5	.3	.1	.0	.0					727	729	198
66/65		.1	.5	.6	.6	.8	.8	.5	.5	.2	.1	.0						786	790	311
64/63		.2	.5	.6	.5	.6	.6	.7	.4	.2	.0							836	836	511
62/61	.0	.4	.7	.6	.6	.7	.7	.5	.4	.1								907	907	710
60/59	.1	.5	.8	.9	.7	.8	.8	.5	.2	.1								999	999	881
58/57	.0	.7	.9	.8	.9	.9	.8	.5	.1	.0								1066	1066	984
56/55	.1	1.0	1.1	1.0	.8	.9	.6	.3	.1									1089	1089	1126
54/53	.1	1.0	1.1	1.1	1.1	.8	.5	.2	.0									1108	1108	1231
52/51	.1	.9	1.4	1.3	.8	.7	.4	.1										1079	1079	1279
50/49	.1	1.2	1.4	1.2	.8	.5	.4	.1										1085	1085	1404
48/47	.1	1.3	1.2	1.1	.7	.4	.2	.0										981	981	1502
46/45	.2	1.4	1.2	1.2	.7	.3	.1	.0										959	959	1496
44/43	.2	1.3	1.4	1.0	.4	.2	.0											856	856	1303
42/41	.2	1.1	1.2	.8	.4	.1	.0											714	714	1165
40/39	.2	1.0	1.4	.6	.3	.1												676	676	1032
38/37	.2	1.1	.8	.5	.2	.0												541	541	984
36/35	.3	1.1	.6	.4	.1	.0												462	462	813
34/33	.2	.8	.5	.2	.0													312	312	546
32/31	.1	.5	.5	.2														243	243	441
30/29	.1	.4	.2	.0														145	145	309
28/27	.1	.4	.1	.0														109	109	211
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A1) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FIPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-50,36-72 YEARS APR MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
26/ 25	.1	.2	.0															54	54	131	597				
24/ 23	.0	.1	.0															31	32	51	382				
22/ 21		.1																22	22	36	358				
20/ 19	.0	.0																13	13	22	296				
18/ 17		.0																3	3	7	244				
16/ 15		.0																1	1	1	141				
14/ 13																					61				
12/ 11																					28				
10/ 9																					15				
8/ 7																					9				
6/ 5																					4				
4/ 3																					5				
TOTAL	2.7	10.9	10.2	15.2	11.4	9.7	8.2	6.0	4.6	2.9	2.0	1.1	.6	.2	.1	.0	.0	18764	18764	18764	16764				
Element (X)	Σx²	Σx	̄x	σx	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	80097394	1160996	61.92	0.980	18764	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	720													
Dry Bulb	59719321	1031823	54.91	2.794	18764		23.0	142.3	67.1	20.4	.0	720													
Wet Bulb	44159792	892050	47.59	0.661	18764		46.4	10.6	.1			720													
Dew Point	32646328	754732	40.21	1.046	18764		177.5	.8	.0			720													

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-43, 47-50, 56-72

MAY  
 MONTH

PAGE 1 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
100/99																	.0	1	1		
98/97																	.0	1	3		
96/95											.0	.0	.0	.0	.0	.0	.0	12	12		
94/93											.0	.1	.0	.0	.0	.0	.0	31	31		
92/91									.0	.0	.1	.0	.0	.1	.0	.0	.0	81	81		
90/89							.0	.1	.1	.2	.1	.2	.0	.1	.1	.0	.0	164	164		
88/87				.0	.0	.0	.1	.2	.3	.2	.3	.1	.1	.1	.0		277	277			
86/85				.0	.0	.1	.2	.4	.4	.3	.3	.1	.1	.0	.0	.0	367	367			
84/83			.0	.0	.0	.2	.4	.6	.4	.4	.1	.1	.0	.0	.0		468	468			
82/81			.0	.1	.2	.3	.7	.6	.3	.2	.2	.2	.1	.0		.0	564	564	2		
80/79			.0	.1	.5	.7	.8	.7	.4	.3	.3	.1	.1	.0			752	752	4		
78/77		.0	.1	.3	.7	.8	.6	.5	.4	.3	.2	.1					773	773	26		
76/75		.0	.2	.6	.9	.9	.7	.6	.5	.4	.1	.1	.0				948	948	8		
74/73	.0	.0	.4	.9	.9	.8	.7	.5	.4	.3	.1	.0					977	977	30		
72/71	.0	.1	.7	1.0	1.1	.7	.7	.6	.4	.2	.1	.0					1071	1071	103		
70/69	.0	.3	1.1	1.2	.8	.8	.6	.5	.4	.1	.1	.0					1167	1167	327		
68/67	.0	.7	1.3	.9	1.0	.6	.6	.6	.3	.1	.0						1173	1173	563		
66/65	.0	.9	1.6	1.1	.9	.7	.6	.4	.2	.0							1235	1236	939		
64/63	.1	1.5	1.2	1.0	.8	.7	.4	.4	.1	.0							1193	1194	1184		
62/61	.2	1.5	1.0	1.0	.8	.5	.3	.3	.1	.0							1072	1073	1363		
60/59	.3	1.9	1.3	1.1	.8	.5	.4	.2	.0								1228	1229	1448		
58/57	.2	1.5	1.4	1.0	.5	.6	.3	.1									1041	1043	1342		
56/55	.2	1.5	1.2	.7	.6	.4	.1	.1									878	879	1384		
54/53	.1	1.5	1.2	.6	.5	.2	.1										787	788	1230		
52/51	.2	1.5	1.0	.6	.4	.1	.0										715	717	1213		
50/49	.2	1.3	.9	.5	.2	.1	.0										608	608	1025		
48/47	.1	.9	.7	.5	.1	.0											441	441	883		
46/45	.2	.8	.3	.2	.1	.0											309	309	701		
44/43	.1	.7	.5	.1	.0	.0											276	279	515		
42/41	.1	.4	.2	.1	.0	.0											158	158	332		
40/39	.1	.3	.2	.0	.0												123	123	240		
38/37	.1	.3	.1	.0	.0												90	90	160		
36/35	.1	.1	.1	.0													50	50	100		
34/33	.0	.1	.0														25	25	58		
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	Z̄	e <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT KILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72 MAY  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dr. Bulb	Wet Bulb	Dew Point
32/ 31			.0	.0														7	7	17	194
30/ 29			.0															4	4	13	112
28/ 27			.0															2	2	7	52
26/ 25																					48
24/ 23																					32
22/ 21																					20
20/ 19																					2
18/ 17																					4
TOTAL	2.2	17.8	16.7	13.8	11.9	9.9	8.4	7.1	4.8	3.2	2.0	1.1	.5	.2	.2	.1	.0	19071	19084	19071	
																		19071	19072	19071	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Ref. Hum.	91454391	1267707	66.5	19.407	19070							
Dry Bulb	83965762	1246090	65.3	11.675	19084		.5	344.2	211.2	92.1	1.0	744
Wet Bulb	65106285	1101781	57.8	8.740	19072		1.4	130.3	17.8	.2		744
Dew Point	54276102	1000070	52.4	9.804	19071		18.1	40.5	1.0	.1		744

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72

JUN  
 MONTH

PAGE 1

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
104/103														.0	.0	.0	.0	8	8		
102/101													.0	.0	.0	.0	.0	17	17		
100/ 99											.0	.0	.0	.0	.0	.0		25	25		
98/ 97					.0			.0	.0	.0	.1	.1	.1	.0				54	54		
96/ 95						.0	.0	.0	.0	.1	.2	.2	.1	.1	.0		.0	147	147		
94/ 93			.0			.0	.0	.1	.2	.3	.2	.1	.1	.0	.0			206	206		
92/ 91					.0	.0	.1	.2	.4	.4	.2	.2	.1	.0				294	294		
90/ 89			.0	.0	.1	.1	.4	.7	.6	.4	.2	.1	.1	.0				483	483	4	
88/ 87			.0	.0	.1	.2	.7	1.0	.8	.4	.2	.1	.1					613	613	2	
86/ 85			.0	.1	.1	.7	1.2	1.2	.7	.4	.2	.1	.0					797	797	4	
84/ 83			.0	.2	.5	1.1	1.4	1.0	.6	.3	.1	.0						910	912	19	
82/ 81		.0	.1	.4	1.1	1.4	1.3	.7	.4	.3	.1	.0	.0					1020	1023	39	
80/ 79		.0	.2	.9	1.7	1.6	1.0	.6	.5	.1	.1	.0						1130	1151	123	
78/ 77	.0	.1	.5	1.5	2.0	1.1	.7	.6	.2	.1	.0							1194	1194	365	
76/ 75		.3	1.3	2.0	1.7	1.0	.7	.5	.2	.0								1332	1332	889	
74/ 73	.0	.5	1.5	2.3	1.1	.7	.5	.3	.1									1234	1236	1473	
72/ 71	.1	.9	1.6	1.9	1.2	.6	.4	.2	.0	.0	.0							1187	1194	1971	
70/ 69	.1	1.4	2.3	1.6	.7	.6	.3	.1	.1	.0								1262	1264	2175	
68/ 67	.3	1.9	2.4	1.3	.7	.3	.1	.1	.0									1258	1261	1984	
66/ 65	.5	2.2	2.0	.9	.4	.2	.1	.0	.0									1104	1107	1980	
64/ 63	.4	2.0	1.3	.6	.4	.1	.1	.0										883	886	1725	
62/ 61	.2	2.1	.7	.6	.2	.1	.0	.0										706	706	1377	
60/ 59	.2	1.4	.9	.3	.1	.0	.0											517	521	1089	
58/ 57	.2	1.3	.6	.2	.1	.0	.0											410	410	731	
56/ 55	.1	.0	.4	.2	.0	.0												259	259	597	
54/ 53	.1	.5	.3	.1	.0													172	172	385	
52/ 51	.1	.4	.2	.0														110	110	240	
50/ 49	.1	.1	.1	.0														39	39	128	
48/ 47		.0	.1															17	17	61	
46/ 45	.0	.1																12	12	25	
44/ 43	.0	.0																3	3	16	
42/ 41	.0	.0																3	3	51	
40/ 39		.0																2	2	21	
38/ 37																			1	1	9
Element (X)	Σx'	Σx	Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4  
DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 56-72 YEARS

JUN MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
36/ 35																					13
34/ 33																					4
TOTAL	2.9	16.0	16.5	15.1	12.2	9.9	9.2	7.2	4.8	3.0	1.6	.9	.7	.3	.1	.1	.0	17408	17438	17409	
																		17408	17409		
Element (X)	Σ X <sup>2</sup>	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	89979689	1214969	69.8	17.247	17407	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	96720281	1287385	73.8	9.831	17438			545.5	391.9	215.1	18.9	720									
Wet Bulb	77148000	1153398	65.2	6.484	17409			374.2	120.7	5.0		720									
Dew Point	68351226	1084366	62.3	6.815	17409			209.3	25.5	1.8		720									

USAFETAC FORM 0-26-5 (OLA) 701 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION      FUPT RILEY KANSAS/MARSHALL AAF STATION NAME      39-49,56-72 YEARS      JUL MONTH

PAGE 1      ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
112/111																	.0	3	3			
110/109																	.0	5	5			
108/107														.0	.0	.0	.1	28	28			
106/105														.0	.0	.1	.2	56	56			
104/103									.0	.0	.0	.1	.1	.1	.1	.2	.1	103	103			
102/101								.0	.0	.0	.1	.1	.1	.3	.1	.0	.0	149	149			
100/99								.0	.0	.1	.3	.4	.4	.4	.2	.0	.0	253	253			
98/97						.0	.0	.0	.1	.3	.4	.4	.3	.0			.0	288	288			
96/95					.0	.0	.0	.1	.2	.4	.6	.6	.3	.1	.0	.0		449	449			
94/93					.0	.0	.0	.3	.6	.8	.6	.4	.2	.1	.0			580	580			
92/91			.0			.1	.3	.6	1.1	.8	.6	.3	.2	.0	.0			712	712			
90/89					.0	.2	.7	1.1	1.1	.8	.5	.2	.1	.0				890	890			
88/87				.0	.1	.4	1.1	1.1	1.1	.6	.4	.1	.0	.0				951	951	1		
86/85		.0	.0	.1	.3	1.1	1.6	1.4	.8	.6	.4	.1	.0	.0				1178	1178	7		
84/83		.0	.0	.3	.5	1.5	1.5	1.1	.7	.5	.2	.0	.0					1244	1244	18		
82/81	.0	.0	.1	.6	1.4	1.8	1.4	1.0	.6	.3	.1	.0						1382	1382	84		
80/79		.1	.4	1.5	1.8	1.7	1.1	.7	.6	.2	.0							1493	1498	430		
78/77	.0	.2	1.0	1.9	1.8	1.1	.9	.5	.2	.1	.0							1447	1447	991		
76/75		.5	1.8	2.0	1.7	.9	.6	.3	.0	.0	.0							1450	1450	1917		
74/73	.1	1.0	1.9	1.6	1.0	.5	.4	.1	.1	.0								1258	1258	2604		
72/71	.1	1.5	1.7	1.5	1.0	.4	.3	.1	.0	.0								1228	1228	2780		
70/69	.3	1.3	2.0	1.2	.4	.5	.1	.1	.0									1145	1145	2703		
68/67	.3	1.5	1.1	.6	.4	.2	.0	.0										776	776	2196		
66/65	.2	1.2	1.0	.4	.3	.1	.0											612	612	1751		
64/63	.1	.9	.4	.3	.2	.0	.0											377	377	1245		
62/61	.1	.6	.3	.2	.0	.0												224	224	771		
60/59	.0	.3	.3	.2	.0													196	196	515		
58/57	.0	.2	.1	.0	.0													77	77	317		
56/55	.0	.2	.1	.0	.0													60	60	180		
54/53	.0	.1	.1															29	29	91		
52/51	.0	.1	.0															16	16	41		
50/49		.1	.0															18	18	32		
48/47		.0	.0															6	6	15		
46/45		.0																2	2	8		
Element (X)	ΣX²	ΣX	̄X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS JUL MONTH PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
44/ 43			.0	.0																2	2	33
42/ 41																						7
40/ 39																						6
38/ 37																						2
TOTAL	1.3	9.9	12.6	12.6	11.5	10.2	10.1	8.4	7.3	5.2	3.8	2.6	1.8	1.1	.7	.3	.4	18700	18700	18700	18699	
Element (X)	ΣX <sup>2</sup>	ΣX	$\bar{X}$	S <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature										Total						
Ref. Hum.	32992131	1196859	64.1	18.409	18686	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				744							
Dry Bulb	119906408	1486032	79.3	9.855	18700							679.6	554.3	302.6	76.2	744						
Wet Bulb	91074564	1300954	69.6	5.509	18700							546.3	240.8	11.1			744					
Dew Point	79199030	1211626	64.8	6.075	18699							328.7	53.0	1.0			744					

USAF ETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 36-49, 56-72 YEARS AUG MONTH  
 PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
106/105														.0	.0	.1	.0		19	19															
104/103													.0	.0	.2	.1	.1		72	72															
102/101									.0	.0	.0	.2	.1	.2	.1	.0		119	119																
100/ 99								.0	.0	.1	.2	.3	.3	.1	.0	.0		209	209																
98/ 97								.0	.0	.1	.4	.3	.4	.2	.1	.0	.0	319	319																
96/ 95							.0	.0	.1	.4	.6	.5	.3	.2	.0	.0		423	423																
94/ 93						.0	.1	.4	.8	.7	.4	.3	.1	.0				535	535																
92/ 91					.0	.1	.4	.9	.8	.5	.5	.2	.1					684	684																
90/ 89					.0	.1	.4	1.0	1.1	.8	.6	.3	.1	.0				837	837																
88/ 87					.0	.4	.9	1.1	.8	.6	.5	.3	.1					883	883																
86/ 85		.0	.0	.2	.8	1.3	1.1	.8	.7	.5	.1	.0						1071	1072																
84/ 83		.0	.1	.6	1.2	1.1	1.0	.8	.6	.3	.1	.0						1111	1111	6															
82/ 81		.0	.5	1.2	1.5	1.2	.8	.6	.5	.1	.0							1236	1236	21															
80/ 79		.2	1.1	1.7	1.4	1.0	.9	.6	.2									1344	1344	191	6														
78/ 77		.1	.6	1.4	1.7	1.4	1.0	.6	.3	.1	.0	.0						1359	1359	776	22														
76/ 75		.3	1.7	1.8	1.7	.8	.5	.2	.0									1536	1536	1692	142														
74/ 73	.0	1.0	1.8	1.7	.9	.8	.5	.3	.1	.0								1366	1366	2197	606														
72/ 71	.1	1.8	1.7	1.3	1.1	.7	.3	.2	.1	.0								1394	1394	2661	1411														
70/ 69	.4	2.1	1.5	1.1	.8	.6	.2	.1	.0									1305	1305	2765	2535														
68/ 67	.3	1.6	1.3	1.0	.6	.3	.1	.1										1029	1029	2268	2564														
66/ 65	.2	1.0	1.1	.6	.4	.2	.1	.0										718	718	1933	2282														
64/ 63	.1	.8	1.0	.6	.3	.1	.0											552	552	1459	1885														
62/ 61	.1	1.2	.7	.4	.1	.1	.0											511	511	1120	1654														
60/ 59	.1	.8	.3	.2	.1	.0												282	282	879	1682														
58/ 57	.1	.5	.3	.1	.0													201	202	598	1412														
56/ 55	.0	.2	.1	.1	.0													99	99	342	1127														
54/ 53	.1	.2	.1	.0														68	68	189	764														
52/ 51	.0	.1	.1															40	40	109	576														
50/ 49		.1	.0															19	19	53	295														
48/ 47		.0	.0															9	9	26	153														
46/ 45		.0																4	4	5	94														
44/ 43																				4	49														
42/ 41																					24														
40/ 39																					11														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/WAC

**PSYCHROMETRIC SUMMARY**

13947      FORT RILEY KANSAS/MARSHALL AAF      8-49,56-72      AUG  
STATION      STATION NAME      YEARS      MONTH  
 PAGE 2      ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	> 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.0	11.9	12.6	12.4	11.0	9.9	9.0	8.1	6.9	5.8	4.2	2.7	1.8	1.1	.7	.3	.2	.2	19294	19296	19294		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	86829238	1241272	64.4	18.985	19289			647.5	503.7	319.0	65.4	144
Dry Bulb	119036268	1502622	77.9	10.241	19296			485.0	188.3	2.7		144
Wet Bulb	90455578	1316172	68.2	5.896	19294			281.0	29.9	.1		144
Dew Point	78292002	1222802	63.4	6.416	19294							

USAFETAC FORM NO. 04 0-26-5 (O.L.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49, 56-72

SEP  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
112/111																				.0	1	1														
110/109																				.0	2	2														
108/107																				.0	4	4														
106/105																			.0	.0	7	7														
104/103																		.0	.0	.1	17	17														
102/101																		.0	.0	.1	14	14														
100/ 99													.0	.0	.0	.0	.0	.0	.0	.0	36	36														
98/ 97													.0	.0	.1	.1	.1	.0	.0	.0	57	57														
96/ 95												.0	.1	.1	.1	.1	.1	.0	.0	.0	123	123														
94/ 93								.0	.1	.2	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	203	203														
92/ 91					.0	.0	.1	.3	.3	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	.0	292	292														
90/ 89					.0	.1	.3	.4	.3	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	364	364														
88/ 87					.0	.1	.4	.5	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	433	434														
86/ 85					.0	.2	.5	.5	.4	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	495	495														
84/ 83			.0	.0	.2	.4	.5	.4	.3	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	555	556	1													
82/ 81			.0	.1	.3	.7	.6	.5	.5	.2	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	658	659	2													
80/ 79			.1	.3	.8	.9	.8	.5	.6	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	907	908	16	1												
78/ 77		.0	.1	.6	1.0	.8	.7	.5	.5	.4	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	958	960	131	4												
76/ 75	.0	.1	.6	1.0	.9	.8	.6	.6	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1074	1076	420	32												
74/ 73	.0	.2	.9	1.3	.9	.6	.8	.7	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1199	1200	716	104												
72/ 71	.0	.4	1.2	1.1	.9	.7	.7	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1119	1122	1159	310												
70/ 69	.1	1.0	1.3	1.1	.7	.9	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1252	1253	1456	793												
68/ 67	.2	1.2	1.4	.9	.8	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1190	1191	1597	1236												
66/ 65	.3	1.5	1.2	.9	.7	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1146	1147	1661	1413												
64/ 63	.3	1.6	1.0	.9	.7	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1061	1061	1647	1478												
62/ 61	.3	1.5	.9	.9	.8	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1006	1006	1531	1375												
60/ 59	.3	1.2	1.1	1.0	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	960	960	1484	1373												
58/ 57	.2	1.2	1.2	.8	.6	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	834	834	1270	1144												
56/ 55	.2	1.3	1.0	.7	.4	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	694	694	1288	1290												
54/ 53	.1	1.3	.7	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	542	542	1140	1310												
52/ 51	.1	1.2	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	476	476	1041	1288												
50/ 49	.2	.8	.7	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	439	439	736	1252												
48/ 47	.1	.8	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	314	314	509	939												
46/ 45	.2	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	262	262	490	949												
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total																							
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS SEP MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
44/ 43	.2	.5	.2	.0	.0													177	177	368	862			
42/ 41	.2	.4	.1	.0	.0													117	117	233	680			
40/ 39	.1	.2	.1	.0	.0													64	64	96	498			
38/ 37	.0	.1	.1															41	41	66	290			
36/ 35	.0	.1	.0															23	23	43	219			
34/ 33	.0	.0																12	12	25	130			
32/ 31	.0	.0																5	5	8	96			
30/ 29																				2	43			
28/ 27																					12			
26/ 25																					6			
22/ 21																					1			
TOTAL	3.2	7.6	15.2	12.9	11.1	9.2	7.9	6.5	5.4	3.7	2.9	2.0	1.0	.3	.4	.2	.3	19133	19151	19134	19134			
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	92329928	1270848	66,420,333	19131	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	93424568	1316704	68,812,298	19131		.2	412.7	278.6	141.3	17.4	720													
Wet Bulb	71812812	1160357	60,648,689	19134		.4	206.9	48.4	.2		720													
Dew Point	60588694	1061266	55,59,497	19134		5.9	93.5	5.3	.0		720													

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS OCT MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
100/ 99																	.0	1	1	
98/ 97																	.0	4	4	
96/ 95														.0	.0	.0	.0	14	14	
94/ 93													.0	.0	.0	.0	.0	16	16	
92/ 91								.0		.0	.0	.0	.0	.0	.0	.0	.0	39	39	
90/ 89								.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	56	56	
88/ 87							.0	.0	.1	.1	.1	.1	.2	.0	.0			110	110	
86/ 85						.0	.0	.1	.1	.2	.2	.2	.1	.0				167	167	
84/ 83						.0	.1	.1	.2	.2	.2	.1	.1	.0	.0			202	202	
82/ 81					.0	.1	.1	.3	.3	.3	.2	.2	.1	.0				300	300	
80/ 79			.0	.0	.1	.2	.3	.4	.4	.3	.2	.2	.1	.0	.0			409	409	1
78/ 77			.0	.1	.1	.2	.4	.3	.5	.3	.3	.1	.0	.0				474	474	
76/ 75			.1	.1	.2	.3	.4	.5	.4	.3	.3	.1	.0					549	549	7
74/ 73	.0	.0	.2	.3	.4	.4	.4	.4	.4	.5	.3	.1	.0					652	652	33
72/ 71		.1	.2	.4	.4	.6	.5	.4	.4	.4	.2	.0						728	728	146
70/ 69	.0	.1	.5	.6	.7	.5	.6	.6	.5	.3	.1							876	876	265
68/ 67		.3	.5	.6	.7	.6	.7	.6	.3	.2	.0							911	911	505
66/ 65	.0	.3	.8	.7	.6	.6	.6	.4	.5	.2	.0	.0						946	946	720
64/ 63	.1	.8	.6	.6	.6	.8	.5	.5	.2	.1	.0							956	956	1008
62/ 61	.3	.8	.8	.7	.8	.7	.5	.5	.2	.0								1098	1058	1132
60/ 59	.3	1.1	.8	.7	.9	.7	.6	.5	.1	.0								1138	1138	1180
58/ 57	.2	1.3	.9	.9	.9	.6	.6	.2	.1	.0								1117	1117	1290
56/ 55	.5	1.4	1.0	1.0	.8	.6	.4	.2	.0									1174	1174	1482
54/ 53	.3	1.1	1.2	1.0	.7	.5	.3	.0										1048	1049	1365
52/ 51	.2	1.3	1.3	.9	.7	.5	.2	.0										1001	1001	1385
50/ 49	.3	1.5	1.1	1.0	.8	.4	.1											1006	1007	1432
48/ 47	.3	1.4	1.3	.7	.6	.2	.0											893	893	1325
46/ 45	.4	1.6	.9	.9	.4	.1												849	849	1330
44/ 43	.4	1.3	1.0	.6	.2	.0	.0											710	711	1210
42/ 41	.4	1.1	.9	.5	.1	.0	.0											580	581	953
40/ 39	.3	1.1	.7	.2	.0	.0												472	473	863
38/ 37	.3	.9	.5	.2	.0													381	381	659
36/ 35	.3	.7	.4	.1	.0													283	283	469
34/ 33	.2	.7	.2	.0	.0													224	225	338
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.	Mean No. of Hours with Temperature										
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 86 F	≥ 93 F	Total				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72

OCT  
 MONTH

PAGE 2

ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
32/ 31	.1	.6	.1	.0														161	161	265	796
30/ 29	.1	.4	.1	.0														116	116	168	615
28/ 27	.2	.2	.1															78	78	121	441
26/ 25	.1	.1	.0															34	34	59	365
24/ 23	.0	.1																19	19	34	212
22/ 21	.0	.0																5	5	11	143
20/ 19																				1	60
18/ 17																					49
16/ 15																					20
14/ 13																					4
12/ 11																					4
TOTAL	5.2	20.2	16.3	12.8	10.9	8.7	7.2	6.1	4.6	3.5	2.1	1.1	.7	.3	.1	.0	.1	19757	19763	19756	
																		19757		19757	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	93681872	1292046	65.4	21.527	19749							
Dry Bulb	70503303	1151491	58.3	13.139	19763		15.5	207.4	112.7	43.1	1.3	744
Wet Bulb	53567932	1010318	51.1	9.815	19757		24.8	36.0	1.5			744
Dew Point	42182233	887863	44.9	10.744	19756		102.0	8.5	.2			744

USAFETAC FORM 701 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS NJV MONTH ALL PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
80/ 79									.0										2	2					
78/ 77							.0	.0	.0	.0	.0								18	18					
76/ 75					.0	.0	.0	.0	.0	.1	.0	.0							47	47					
74/ 73				.0	.0	.1	.1	.0	.1	.1	.0	.0							74	74					
72/ 71				.0	.1	.1	.1	.1	.1	.1	.0	.0	.0						117	117					
70/ 69			.0	.1	.2	.1	.1	.2	.2	.0	.0	.0							173	173					
68/ 67		.0	.1	.1	.2	.2	.2	.2	.2	.1	.0								241	241	7				
66/ 65		.1	.2	.2	.2	.2	.2	.3	.2	.1	.0								310	310	50				
64/ 63		.1	.4	.2	.2	.3	.3	.2	.2	.0									366	366	101				
62/ 61		.1	.2	.3	.3	.3	.4	.4	.2	.0									412	412	181				
60/ 59	.0	.2	.3	.4	.3	.4	.5	.5	.1										513	513	214				
58/ 57	.0	.2	.5	.4	.4	.5	.5	.4	.0										574	574	292				
56/ 55	.0	.4	.4	.4	.4	.7	.3	.2	.0										660	661	363				
54/ 53	.1	.4	.5	.5	.6	.9	.5	.1	.0										676	676	503				
52/ 51	.1	.6	.7	.7	.9	.8	.4	.1	.0										825	825	534				
50/ 49	.2	1.1	.7	.9	1.1	.8	.2	.0											979	979	735				
48/ 47	.1	1.1	.9	1.1	1.1	.6	.2	.0											987	987	934				
46/ 45	.2	1.4	1.1	1.5	1.0	.5	.0	.0											1120	1120	1048				
44/ 43	.4	1.4	1.5	1.5	.9	.2	.0	.0											1163	1163	1376				
42/ 41	.4	1.3	2.0	1.4	.6	.1	.0												1126	1126	1267				
40/ 39	.3	1.8	2.6	1.4	.5	.1	.0												1281	1281	1353				
38/ 37	.4	2.0	2.3	1.2	.3	.0	.0												1217	1217	1542				
36/ 35	.4	2.7	2.4	.9	.2	.1													1299	1299	1533				
34/ 33	.4	2.8	2.1	.5	.1	.0													1144	1144	1442				
32/ 31	.4	2.6	1.4	.3	.0														926	926	1484				
30/ 29	.5	2.3	1.0	.3	.0														813	813	1115				
28/ 27	.6	1.7	.7	.2	.0														615	615	978				
26/ 25	.5	1.5	.5	.1															492	493	634				
24/ 23	.3	1.3	.3	.0															363	363	504				
22/ 21	.3	.8	.1	.0															234	236	389				
20/ 19	.2	.5	.1	.0															169	172	232				
18/ 17	.2	.3	.1	.0															114	115	157				
16/ 15	.1	.2	.0																73	74	110				
14/ 13	.1	.2																	48	49	61				
Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	$\bar{X}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS NOV MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11	.0	.1	.0															36	30	51	151
10/ 9	.0	.1	.0															20	21	26	118
8/ 7	.0	.1																18	18	24	131
6/ 5	.1	.1																23	23	24	61
4/ 3		.0																5	6	4	56
2/ 1		.0																1	1	5	53
0/ -1																					48
-2/ -3																					20
-4/ -5																					24
-6/ -7																					10
-8/ -9																					4
TOTAL	6.2	29.8	23.2	14.9	9.6	6.9	4.6	2.8	1.3	.5	.2	.0					19274	19288		19273	
																		19274			19274

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	97421954	1321114	68.6	18.865	19272							
Dry Bulb	38154288	823936	42.7	12.384	19288		147.9	25.1	5.3	.1		720
Wet Bulb	29966660	734200	38.1	10.184	19274		216.6	.3				720
Dew Point	22051766	616134	32.0	11.054	19273	4.0	397.0					720

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      DEC MONTH  
 PAGE 1      ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
78/77													.0																			1	1		
76/75													.0																			2	2		
74/73													.0	.0																	2	2			
72/71													.0	.0	.0																8	8			
70/69										.0	.0	.0	.0	.0																7	7				
68/67										.0	.0	.0	.0	.0																15	15				
66/65				.0	.0	.1	.0	.0	.0	.1	.0	.0																		42	42				
64/63			.0	.1	.1	.0	.0	.1	.0	.0	.0																			69	69				
62/61		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0																		125	125	2			
60/59	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.0																	165	165	17	1		
58/57	.0	.1	.2	.2	.1	.2	.2	.2	.2	.1	.0																			260	260	77	10		
56/55	.0	.1	.3	.2	.2	.3	.3	.2	.0																					301	301	95	55		
54/53		.1	.1	.1	.3	.4	.3	.1																						290	290	119	82		
52/51	.0	.2	.1	.3	.4	.4	.3	.0																						354	354	192	75		
50/49	.1	.2	.2	.4	.4	.4	.3	.0																						464	464	184	131		
48/47	.1	.2	.4	.6	.7	.5	.1	.0																						519	519	273	135		
46/45	.1	.4	.5	.8	.6	.4	.1																							565	565	462	161		
44/43	.2	.4	.8	1.0	.5	.3	.0																							669	669	549	170		
42/41	.1	.6	1.1	1.2	.5	.2	.0																							745	745	647	253		
40/39	.3	.9	1.5	1.0	.5	.2	.0																							857	858	823	340		
38/37	.3	1.6	1.7	1.3	.3	.1																								1076	1076	1103	456		
36/35	.4	2.4	2.2	1.0	.2	.0																								1225	1225	1201	757		
34/33	.8	3.3	2.3	.8	.1	.0																								1419	1419	1385	1009		
32/31	.8	3.7	1.9	.6	.1																									1396	1396	1632	1415		
30/29	.8	3.5	1.8	.4	.0	.0																								1307	1307	1604	1446		
28/27	1.2	3.2	1.4	.2																										1197	1198	1540	1240		
26/25	1.3	3.3	1.2	.2																										1214	1215	1307	1669		
24/23	1.0	2.9	1.0	.1																										979	980	1255	1441		
22/21	1.0	3.0	.8	.0																										964	964	1018	1391		
20/19	1.1	2.5	.5	.0																										819	820	982	1090		
18/17	.8	1.9	.3	.0																										580	581	796	1110		
16/15	.8	1.6	.2																											472	473	533	938		
14/13	.6	1.3	.1																											391	391	484	788		
12/11	.3	1.0	.0																											251	252	345	775		
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUL 64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/IIAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49, 56-72 YEARS DEC MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
10/ 9	.5	.9	.0																		297	297	316	459
8/ 7	.2	.7																			194	197	234	506
6/ 5	.3	.3																			127	127	157	440
4/ 3	.2	.3																			99	100	102	320
2/ 1	.2	.2																			78	80	93	267
0/ -1	.2	.1																			62	65	65	224
-2/ -3	.1	.1																			30	33	38	127
-4/ -5	.1	.0																			22	24	26	127
-6/ -7	.1	.0																			24	27	25	82
-8/ -9	.0																				9	9	11	42
-10/-11	.0																				2	3	2	48
-12/-13																								51
-14/-15																								23
-16/-17																								11
-18/-19																								22
-20/-21																								4
-22/-23																								1
TOTAL	13.8	41.7	21.1	10.9	5.7	3.5	1.9	.9	.4	.2	.1	.0	.0								19694	19720	19694	19694
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X̄	s <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	107428571	1412963	71.8	17.566	19690	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	23229770	628224	31.9	12.771	19720	6.1	397.6	1.3	.2			744												
Wet Bulb	18672821	567237	28.8	10.889	19694	6.3	474.7					744												
Dew Point	13082073	451657	22.9	11.761	19694	28.8	606.6					744												

USAF ETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 40-46, 48-50, 57-71 YEARS JAN MONTH  
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
64/63		.1																	2	2					
62/61		.1	.1	.1															7	7	3				
60/59		.1	.1																5	5	1				
58/57		.1																	3	3	8				
56/55		.1	.1		.0														6	6	5				
54/53		.2	.1	.1															9	9	3				
52/51	.0	.1	.0	.1		.0													9	9	9				
50/49		.1		.2	.0														9	9	7				
48/47		.1	.2	.1	.1														13	13	7				
46/45	.0	.4	.1	.1	.1	.1													19	19	10				
44/43	.1	.7	.4	.3	.1														36	36	19				
42/41	.4	.4	.3	.7	.0														43	46	33				
40/39	.3	.7	.7	.4	.2														54	58	35				
38/37	1.2	1.4	1.0	.6	.3														101	103	64				
36/35	.2	2.3	1.4	.7	.1														105	107	75				
34/33	.7	4.5	1.5	.6															168	172	116				
32/31	1.4	3.2	1.8	.4															154	134	195				
30/29	.7	2.9	1.4	.4															123	125	141				
28/27	1.7	4.3	1.1	.1															165	166	174				
26/25	1.9	3.5	.7	.0															139	141	170				
24/23	1.9	3.0	.5																123	123	148				
22/21	.9	2.7	.7																97	97	97				
20/19	1.0	3.2	.5																108	109	106				
18/17	1.2	2.6	.0																88	92	115				
16/15	1.8	2.2	.3																98	99	109				
14/13	1.0	2.4	.2																82	83	76				
12/11	1.0	2.3	.2																92	93	96				
10/9	1.8	2.4																	90	90	92				
8/7	1.4	1.8																	74	76	88				
6/5	1.4	1.4																	64	65	66				
4/3	.6	1.1																	38	38	48				
2/1	.7	1.3																	44	44	33				
0/-1	.4	.7																	35	35	45				
-2/-3	.6	.5																	24	24	25				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 40-46,48-50,57-71 YEARS JAN MONTH  
PAGE 2 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-4/-5	.4	.7																25	25	26	34
-6/-7	.1	.2																7	7	12	42
-8/-9	.4	.1																13	13	14	29
-10/-11	.2																	5	5	6	18
-12/-13	.0																	1	1	1	18
-14/-15																					15
-16/-17																					13
-18/-19																					19
-20/-21																					5
-26/-27																					1
-28/-29																					2
TOTAL	26.6	53.9	13.4	4.9	1.1	.1													2309		2278
																		2278		2278	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	Nc. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	14093693	176255	77.4	14.157	2278							
Dry Bulb	1662545	54161	23.5	13.034	2309	4.4	68.7					93
Wet Bulb	1439407	49847	21.9	12.374	2278	5.3	76.9					93
Dew Point	1126283	38821	17.0	14.286	2278	12.7	82.7					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 40-46, 48-50, 57-72 JAN  
 STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
64/ 63			.1	.0																3	3			
62/ 61		.0	.1	.1																5	5			
60/ 59		.0	.1																	3	3	3	3	
58/ 57		.1	.0																	3	3	7		
56/ 55		.1																		3	3	4	3	
54/ 53		.3	.1																	9	9	5	9	
52/ 51		.1	.1	.1	.0															8	8	6	8	
50/ 49	.0	.2		.2		.1														13	13	8	4	
48/ 47		.1	.2	.0	.2															13	13	6	5	
46/ 45	.1	.4	.0	.1																14	14	11	7	
44/ 43	.1	.4	.2	.4	.0															24	27	22	13	
42/ 41	.4	.4	.3	.3	.0															32	34	20	10	
40/ 39	.4	.4	.7	.4	.2															47	50	29	22	
38/ 37	.8	1.0	.7	.4	.1															67	69	50	36	
36/ 35	.7	1.9	1.2	.6																105	107	65	36	
34/ 33	.7	2.8	1.7	.7																137	139	100	61	
32/ 31	1.0	3.3	1.7	.4																145	146	140	97	
30/ 29	1.3	3.9	1.8	.1	.0															162	162	162	108	
28/ 27	1.4	2.7	.8																	115	119	179	112	
26/ 25	2.5	3.9	.7																	163	165	167	146	
24/ 23	1.7	2.8	.7																	119	119	138	133	
22/ 21	1.5	3.1	.4																	116	116	122	154	
20/ 19	2.0	2.9	.3																	119	121	129	99	
18/ 17	1.1	2.0	.2																	88	89	93	147	
16/ 15	1.8	3.1	.2																	118	118	119	96	
14/ 13	1.8	2.1	.0																	89	90	108	113	
12/ 11	1.1	2.5	.1																	87	87	70	91	
10/ 9	1.0	2.3																		89	90	104	96	
8/ 7	1.1	1.8																		67	67	65	91	
6/ 5	1.0	1.7																		75	78	81	80	
4/ 3	1.5	1.5																		59	70	77	65	
2/ 1	.4	1.1																		36	36	35	77	
0/ -1	.9	.6																		35	35	45	62	
-2/ -3	1.0	.8																		41	41	40	43	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FDPT RILEY KANSAS/MARSHALL AAF 40-46,48-50,57-72  
 STATION STATION NAME YEARS

JAN  
 MONTH

PAGE 2 0300-0500  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-4/-5	.6	.7																			29	29	29	49
-6/-7	.3	.2																			10	11	17	43
-8/-9	.1	.0																			4	6	5	46
-10/-11	.4																				10	10	11	27
-12/-13	.3																				7	7	7	14
-14/-15	.1																				3	3	3	20
-16/-17																								18
-18/-19																								15
-20/-21																								8
-22/-23																								2
-30/-31																								2
-32/-33																								2
-34/-35																								1
TOTAL	30.6	52.0	12.7	3.9	.7	.1																2282	2315	2282

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	14446271	178861	78.4	3.687	2282							
Dry Bulb	1527084	51042	22.0	3.175	2315	5.7	72.9					93
Wet Bulb	1331334	47150	20.7	2.513	2282	6.4	79.3					93
Dew Point	1061457	36541	16.0	1.451	2282	14.3	83.8					93

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SU

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50, 57-72

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
64/ 63				.0														1	1						
62/ 61		.0	.1	.0														5	5						
60/ 59			.1															2	2	3					
58/ 57			.2															4	4	3					
56/ 55		.0																1	1	5					
54/ 53	.1	.2	.0															8	8	5					
52/ 51	.1	.0	.1	.0														6	6	7					
50/ 49	.0	.1	.2	.0	.0													10	10	5					
48/ 47	.1	.1	.2		.1	.1												14	14	3					
46/ 45	.1	.2	.0	.3	.0	.1												16	16	14					
44/ 43	.1	.3	.0	.1	.0	.0												15	18	11					
42/ 41	.2	.3	.5	.2	.1	.0	.0											40	46	26					
40/ 39	.3	.5	.4	.4	.1													43	44	33					
38/ 37	.6	.8	1.1	.3	.1													69	73	53					
36/ 35	1.3	1.8	.7	.7	.0													107	109	71					
34/ 33	.8	2.8	1.2	.4														126	129	107					
32/ 31	1.1	3.3	1.6	.2	.0													158	161	134					
30/ 29	1.2	3.6	1.6	.2	.0													163	165	155					
28/ 27	1.5	3.4	1.0															143	143	195					
26/ 25	1.9	3.7	.8	.0														158	161	161					
24/ 23	1.7	3.7	.2															139	138	159					
22/ 21	1.8	3.3	.2															133	136	155					
20/ 19	1.6	3.1	.2															126	127	126					
18/ 17	2.0	2.5	.2															114	115	127					
16/ 15	2.0	3.3	.2															134	136	127					
14/ 13	1.2	2.7	.1															98	98	110					
12/ 11	1.3	2.2	.2															81	91	99					
10/ 9	1.5	2.0	.1															88	88	87					
8/ 7	1.3	1.0	.0															72	72	87					
6/ 5	1.7	2.0																90	91	81					
4/ 3	1.0	1.5	.0															63	66	73					
2/ 1	.8	1.2																48	49	48					
0/ -1	.9	.4																32	32	45					
-2/ -3	.9	.7																40	40	37					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50.57-72

JAN  
 MONTH

PAGE 2 0600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
-4/-5	.0	.0																33	34	37	57
-6/-7	.5	.2																17	18	22	47
-8/-9	.5	.1																15	15	16	52
-10/-11	.0	.0																11	11	11	33
-12/-13	.1																	3	3	3	13
-14/-15	.2																	5	5	5	18
-16/-17	.0																	1	1	1	26
-18/-19	.0																	1	1	1	19
-20/-21	.0																	1	1	1	5
-22/-23		.0																1	1		8
-24/-25		.0	.0															2	2	1	2
-26/-27																				2	4
-28/-29																					1
-30/-31																					1
TOTAL	31.9	53.1	11.5	2.8	.0	.1												2452	2487	2449	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	15535276	192264	78.5	13.425	2449	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1565873	53187	21.4	13.127	2487	6.1	74.8					93
Wet Bulb	1372565	49177	20.1	12.554	2452	6.9	79.9					93
Dew Point	1095482	37924	15.5	14.408	2449	14.6	84.4					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

18947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-50,57-72 YEARS JAN MONTH  
PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb		Wet Bulb	Dew Point	
68/ 67							.0											1	1			
66/ 65				.1														2	2			
64/ 63				.1														2	2			
62/ 61		.1	.0	.1														5	5			
60/ 59			.1															2	2	4		
58/ 57			.1				.0	.0										4	4	5	3	
56/ 55		.2	.0	.0	.0	.1	.1											11	11	6	3	
54/ 53	.0	.1		.1	.0	.0	.0											9	9	5	9	
52/ 51	.0	.0	.0	.1	.2	.1	.0											14	14	4	7	
50/ 49		.0	.2	.2	.2	.2	.1											21	21	3	2	
48/ 47	.0	.3	.2	.4	.5	.1		.0										39	40	9	3	
46/ 45	.1	.4	.4	.9	.4	.3												62	63	26	10	
44/ 43	.1	.5	.7	.9	.4	.1												68	72	28	10	
42/ 41	.3	.6	1.5	1.1	.8	.0												107	109	60	31	
40/ 39	.4	.6	1.6	1.3	.7	.1												113	122	85	38	
38/ 37	.4	.9	1.7	1.7	.1	.0												121	123	116	34	
36/ 35	.8	1.9	2.2	1.5	.2													162	164	125	60	
34/ 33	.8	2.9	1.9	.6	.1													158	159	159	107	
32/ 31	.8	2.5	1.8	.0														143	144	227	155	
30/ 29	.6	2.8	2.3	.3	.1													149	153	158	154	
28/ 27	1.0	3.1	1.5	.1														140	141	174	106	
26/ 25	.7	2.8	1.5	.2														127	128	152	172	
24/ 23	.4	3.0	1.2	.0														115	115	119	156	
22/ 21	1.0	2.8	.8	.0														111	111	132	137	
20/ 19	.7	3.0	.9															113	113	121	124	
18/ 17	.6	2.8	.7															103	103	105	143	
16/ 15	.7	2.2	.3															78	78	107	112	
14/ 13	.7	2.4	.2															82	82	86	97	
12/ 11	.7	2.9	.2															96	96	85	100	
10/ 9	.7	1.9	.0															65	65	85	86	
8/ 7	.6	1.5																54	54	77	93	
6/ 5	.4	1.9																56	56	46	91	
4/ 3	.2	1.0																30	33	45	89	
2/ 1	.5	1.0																38	38	34	64	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT KILEY KANSAS/MARSHALL AFB STATION NAME 35-50,57-72 YEARS JAN MONTH

PAGE 2 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point	
0/-1	.0	.4																25	25	36	54	
-2/-3	.4	.4																22	22	23	36	
-4/-5	.2	.3																13	13	16	34	
-6/-7	.1	.2																8	8	9	43	
-8/-9	.1	.1																4	4	5	28	
-10/-11	.2																	4	4	5	29	
-12/-13																					15	
-14/-15																					16	
-16/-17	.0																	1	1	1	14	
-18/-19	.0																	1	1	1	5	
-20/-21																					3	
-22/-23																					6	
-24/-25																					5	
-26/-27																					4	
-34/-35																					2	
TOTAL	14.9	47.5	22.1	10.4	3.7	1.0	.3	.1													2511	2484
																		2484				2484

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	13238382	177132	71.3	15.038	2484	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2219513	66815	26.6	13.268	2511	2.9	58.8	.0				93
Wet Bulb	1810897	59911	24.1	12.140	2484	3.6	69.2					93
Dew Point	1298489	44645	18.0	14.135	2484	11.0	81.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-50,57-72 YEARS JAN MONTH  
PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
70/ 69																																	1	1			
68/ 67							.0															.0	.0										3	3			
66/ 65					.1	.0		.0						.0								.0	.0										6	6			
64/ 63					.2	.0	.0							.0	.0							.0	.0										13	13			
62/ 61					.1					.1	.1	.0										.0	.0											10	10		
60/ 59		.1	.0	.0			.2	.2	.2	.1	.0																							22	22	7	
58/ 57		.1	.0	.1	.0	.3	.2	.3	.1																									30	30	15	4
56/ 55		.1	.0	.2	.3	.2	.4	.2																										36	36	6	6
54/ 53			.2	.1	.8	.7	.4	.0	.0																									56	57	3	13
52/ 51		.0	.2	.4	.9	1.0	.4	.2																										80	82	4	4
50/ 49		.1	.5	1.0	1.2	.9	.2	.1																										98	101	21	3
48/ 47	.1	.3	.3	.7	2.0	.6	.3	.0																										108	110	42	8
46/ 45	.0	.4	.7	1.7	1.4	1.0	.2																											134	138	79	15
44/ 43	.1	.2	.9	1.7	1.1	.5	.2																											118	121	110	16
42/ 41	.3	.6	1.0	1.2	1.1	.6																												121	123	141	47
40/ 39	.4	.3	1.5	2.0	.9	.2																												137	137	166	60
38/ 37	.2	1.0	1.4	1.4	.8	.0																												119	120	153	52
36/ 35	.4	1.4	1.3	1.8	.2																													128	130	177	104
34/ 33	.4	1.2	1.9	1.2	.1																													121	125	154	142
32/ 31	.4	1.8	1.7	1.2	.2																													130	130	164	162
30/ 29	.2	1.8	1.6	1.0	.1																													116	116	150	170
28/ 27	.2	1.9	2.5	.8																														136	136	130	118
26/ 25	.4	1.4	1.8	.4																														101	101	131	169
24/ 23	.2	1.4	1.7	.1																														88	88	130	140
22/ 21	.4	1.3	1.4	.1																														82	82	111	138
20/ 19	.1	1.4	.9	.1																														62	62	83	115
18/ 17	.2	1.7	.9	.0																														71	71	71	106
16/ 15	.2	1.6	.9																															67	67	72	118
14/ 13	.4	1.5	.6																															63	63	73	112
12/ 11	.4	1.8	.5																															67	67	75	98
10/ 9	.3	1.4	.2																															47	47	73	80
8/ 7	.2	1.8	.1																															53	53	51	83
6/ 5	.1	1.0	.0																															30	30	40	69
4/ 3	.0	.4																																11	14	24	57
Element (X)	Σx <sup>2</sup>		Σx		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total																			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (DLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-50, 57-72 YEARS JAN MONTH  
PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
2/ 1	.0	.5																		13	13	13	59
0/ -1	.0	.2																		5	5	12	44
-2/ -3		.0																		1	1	3	30
-4/ -5		.1																		3	3	2	37
-6/ -7	.1																			2	2	3	29
-8/ -9	.0																			1	1	1	36
-10/-11																							12
-12/-13																							6
-14/-15																							5
-16/-17																							8
-18/-19																							11
-20/-21																							3
-22/-23																							1
TOTAL	6.1	29.0	24.9	17.7	11.4	0.4	2.7	1.2	.4	.1	.1									2490	2517	2490	2490
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	10303942	153952	61.6	17.763	2490	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	3291914	83876	33.3	14.053	2517	.4	42.6	.1				93											
Wet Bulb	2449580	72144	29.0	12.015	2490	.8	52.7					93											
Dew Point	1521821	51209	20.6	13.722	2490	5.3	75.3					93											

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-50,57-72

JAN  
MONTH

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69										.1								2	2		
68/ 67										.1	.0							3	3		
66/ 65				.1	.0	.0	.0				.0							9	8		
64/ 63				.2	.1	.1	.0	.1	.0	.1	.0							14	14		
62/ 61				.1	.1	.1	.1	.1	.1	.0	.0							14	14		
60/ 59			.1	.1	.2	.1	.2	.2	.1									28	28	4	
58/ 57		.1	.1	.1	.3	.4	.2	.4	.0	.1								40	40	8	
56/ 55	.0	.0	.2	.1	.5	.6	.2	.3	.1									51	52	10	8
54/ 53		.1	.2	.2	.6	.8	.4	.2										61	61	7	6
52/ 51	.0	.1	.2	.5	.9	1.1	.4	.1	.0									86	89	19	8
50/ 49	.0	.1	.4	.8	1.7	.6	.4	.4										110	111	29	7
48/ 47	.0	.2	.5	1.0	1.1	1.1	.3	.1										107	110	60	17
46/ 45		.6	.8	1.5	1.0	.7	.3											121	125	89	12
44/ 42	.0	.4	.9	1.7	1.4	.6	.2											131	133	107	30
42/ 41	.4	.6	1.0	1.2	.6	.6												108	111	167	41
40/ 39	.4	.5	1.0	1.0	1.0	.4												134	135	150	70
38/ 37	.2	.8	1.2	1.4	.7													109	110	153	76
36/ 35	.2	1.5	1.8	1.9	.5													148	148	166	102
34/ 33	.3	1.8	2.0	1.0	.2													130	131	163	141
32/ 31	.2	1.5	2.0	1.4	.2													133	133	171	163
30/ 29	.2	1.9	1.8	.8														116	118	152	155
28/ 27	.3	1.9	1.5	.7														107	108	144	114
26/ 25	.2	1.5	1.4	.6														93	93	130	178
24/ 23	.2	1.7	1.3	.3														92	92	95	156
22/ 21	.3	1.6	1.2	.2														81	81	102	125
20/ 19	.3	1.0	1.4	.0														67	68	92	117
18/ 17	.1	1.7	1.0															69	69	67	102
16/ 15	.2	1.1	.8															53	53	83	120
14/ 13	.4	1.5	.6															61	61	60	99
12/ 11	.1	1.3	.3															42	42	63	97
10/ 9	.4	1.7	.2															54	54	53	72
8/ 7	.4	1.4	.1															47	47	50	63
6/ 5	.1	1.0	.0															29	29	44	79
4/ 3	.1	.6																16	18	26	49
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X	* <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1947 FORT RILEY KANSAS/MARSHALL AAF 39-50,57-72

JAN  
 MONTH

PAGE 2 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
2/ 1	.1	.2																			9	9	12	74
0/ -1		.2																			4	4	9	53
-2/ -3																								26
-4/ -5	.0	.2																			5	5	4	33
-6/ -7		.0																			1	1	2	18
-8/ -9																								25
-10/-11																								23
-12/-13																								3
-14/-15																								5
-16/-17																								7
-18/-19																								10
TOTAL	5.4	28.6	24.7	17.6	11.1	7.0	2.8	1.9	.6	.3	.1										2484	2510		2484
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	10202623	152709	61.5	18.1	2484	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dy Bulb	3443136	85928	34.2	14.1	2510	.4	40.2	.2				93												
Wet Bulb	2549494	73800	29.7	11.9	2484	.6	50.9					93												
Dew Point	1577719	52643	21.2	13.6	2484	7.6	73.6					93												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-46, 48-50, 57-72 YEARS JAN MONTH  
 PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
64/63									.0									1	1		
62/61		.0		.1				.0										4	4		
60/59		.0	.1	.0	.0	.0	.0											8	8	1	1
58/57	.0	.1	.1	.1				.0										9	9	5	1
56/55		.0	.1	.1														5	5	4	4
54/53		.2	.1		.0			.1										9	9	7	3
52/51	.0	.0	.0	.1	.1	.2	.1	.0										16	16	10	7
50/49			.3	.2	.2	.1	.0											21	21	4	8
48/47		.2	.5	.5	.4	.1	.0											42	43	6	3
46/45	.0	.6	.8	.6	.5	.2	.0											66	67	21	4
44/43	.1	.6	.9	1.2	.4	.3												83	85	44	22
42/41	.3	1.0	1.6	1.5	.5	.2												117	122	60	24
40/39	.2	1.2	2.4	1.2	.6	.0												130	131	100	41
38/37	.7	1.6	1.8	1.3	.4													136	142	129	60
36/35	.4	2.8	2.1	1.2	.3													158	160	154	79
34/33	.2	3.1	2.1	1.1	.1													155	155	173	91
32/31	.3	3.4	1.7	1.1	.0													153	153	168	158
30/29	.4	3.0	2.2	.4	.0													144	144	184	168
28/27	.4	2.3	1.5	.2														102	102	144	142
26/25	.6	4.4	1.1	.1														145	146	165	132
24/23	.5	2.6	1.2	.1														104	106	124	124
22/21	.5	2.7	.8	.0														92	92	113	162
20/19	.7	3.1	.8	.0														108	108	106	96
18/17	.4	2.2	.6															76	76	91	121
16/15	.2	2.0	.6															66	66	83	120
14/13	.7	2.2	.3															73	73	64	85
12/11	.2	1.9	.2															53	53	84	100
10/9	.2	1.6	.1															45	45	50	84
8/7	.7	2.2																68	68	60	55
6/5	.5	1.7																51	51	65	57
4/3	.5	1.1																36	36	45	58
2/1	.2	1.0																27	27	26	67
0/-1	.4	.3																17	17	26	67
-2/-3	.2																	4	4	8	41

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 39-46, 48-50, 57-72 JAN  
STATION STATION NAME YEARS MONTH  
 PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-4/-5	.1	.2																6	6	6	42	
-6/-7	.1	.0																4	4	4	33	
-8/-9																					24	
-10/-11																					24	
-12/-13																					3	
-14/-15																					6	
-16/-17																					7	
-18/-19																					9	
-20/-21																					1	
TOTAL	9.8	49.0	23.9	11.4	3.8	1.1	.3	.2	.0								2334	2355		2334		

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	12310517	165601	71.0	15.505	2334							
Dry Bulb	2263317	66657	28.3	12.649	2355	1.2	54.4					93
Wet Bulb	1845291	59787	25.6	11.598	2334	1.8	64.4					93
Dew Point	1311819	45437	19.5	13.533	2334	10.2	79.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 40-46,48-50,57-72 YEARS JAN MONTH

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
64/63		.0	.0															2	2																	
62/61		.0	.0	.1														5	5	2																
60/59		.2	.0	.0			.0											7	7	2	3															
58/57		.1	.0	.1			.0											7	7	6	1															
56/55		.1	.0	.0			.0											5	5	5	6															
54/53		.0	.1															4	4	6	5															
52/51	.0	.0	.0	.2				.0										8	8	6	5															
50/49		.1	.2	.2	.0													13	13	3	4															
48/47		.3	.1	.2	.1					.0								18	18	8	6															
46/45		.3	.2	.1	.4													22	22	17	6															
44/43	.2	.5	.5	.3	.3	.1												43	43	22	13															
42/41	.1	.9	1.1	1.1	.1	.0												77	79	24	17															
40/39	.3	1.2	1.1	.5	.3													79	82	49	37															
38/37	.7	1.4	1.4	1.1	.2													112	115	91	44															
36/35	.5	3.3	1.3	1.1	.2													146	151	110	55															
34/33	.0	3.6	1.8	.5														154	155	160	87															
32/31	.7	4.4	1.5	.3	.1													158	161	170	124															
30/29	.7	4.2	1.0	.3														157	158	175	151															
28/27	1.4	3.6	1.5	.0														149	149	183	131															
26/25	1.0	3.6	1.0	.1														129	129	143	150															
24/23	.9	2.6	.8															98	98	132	128															
22/21	.7	3.2	1.1															115	117	97	124															
20/19	1.2	3.5	.4	.0														119	121	130	107															
18/17	.7	2.5	.3															80	80	100	121															
16/15	1.0	3.1	.3															100	100	100	112															
14/13	1.1	2.2	.2															80	80	94	86															
12/11	.9	2.4																76	78	79	123															
10/9	.7	2.0																60	61	69	86															
8/7	.7	1.4																48	50	65	85															
6/5	1.0	1.7																64	64	58	70															
4/3	.7	1.0																40	40	49	67															
2/1	.5	.9																32	32	33	69															
0/-1	.7	.5																27	27	33	48															
-2/-3	.4	.6																31	31	29	41															
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4 C

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947  
STATION

EIPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

40-46, 48-50, 57-72  
YEARS

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-4/-5	.2	.3																12	12	17	45
-6/-7	.3	.1																9	9	11	39
-8/-9	.0																	1	1	1	26
-10/-11																					21
-12/-13																					10
-14/-15																					9
-16/-17																					9
-18/-19																					12
-20/-21																					4
TOTAL	16.5	6.1	6.9	6.5	1.7	.2	.1	.0											2314		2287
																		2287		2287	
Element (X)	$\Sigma x^2$		$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	13492688		172464	75.5	14.432	2285	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93								
Dry Bulb	1845731		58435	25.3	12.649	2314	3.2	64.2					93								
Wet Bulb	1509814		53414	23.4	11.874	2287	3.7	72.2					93								
Dew Point	1186328		41534	18.2	13.747	2287	10.7	81.2					93								

USAFETAC FORM 0-26-5 (OL.A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 48-50, 57-71 YEARS FEB MONTH  
 PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
64/63									.0																						1	1				
62/61									.0																							1	1			
60/59												.0																				1	1			
58/57				.0	.1					.1	.0																					6	6			
56/55			.0	.2	.1	.0	.1	.0	.0	.0																						11	11			
54/53			.2	.4	.0	.0	.0	.0																								16	16	4		
52/51			.4	.0	.1		.1																									15	15	10	5	
50/49	.1	.1	.1	.2	.1	.1																										14	14	22	7	
48/47	.1	.1	.4	.3	.3	.2																										30	30	14	17	
46/45	.1	.2	.4	.3	.3	.2																										33	33	16	16	
44/43	.1	.5	.7	.5	.2	.1																										45	45	25	9	
42/41		.9	1.0	.7	.3	.1																										62	62	39	17	
40/39	.5	1.7	2.3	.7	.1																											109	109	67	37	
38/37	.6	1.7	1.7	.8	.4																											105	105	81	53	
36/35	.4	2.2	1.6	.5	.1																											99	99	111	57	
34/33	.2	3.8	2.0	.7																													152	152	135	85
32/31	1.4	3.8	2.3	.3																													157	157	169	137
30/29	1.1	4.4	2.6	.3	.0																												171	171	150	169
28/27	.8	4.4	1.6	.1																													139	139	175	79
26/25	2.0	4.2	.9	.1																													148	148	194	137
24/23	1.1	3.4	.8																														107	107	132	155
22/21	.9	3.5	1.1																														110	110	104	145
20/19	.9	3.1	.8	.0																													98	98	115	118
18/17	.8	2.4	.3																														72	72	94	127
16/15	1.2	2.8	.3																														87	87	92	102
14/13	.6	2.0	.0																														53	53	66	94
12/11	.9	1.8																															56	56	59	88
10/9	1.3	1.5																															57	57	64	71
8/7	.5	.8	.0																														28	28	36	65
6/5	.2	.4																															13	13	18	73
4/3	.1	.3																															9	9	10	46
2/1	.1	.3																															8	8	8	37
0/-1																																	1	1	3	22
-2/-3	.0																																1	1	1	17
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 04 0-26-5 (OL A) 21-1552 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,48-50,57-71 YEARS FEB MONTH

PAGE 2 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-4/-5																					13			
-6/-7	.0																	1	1	1	6			
-8/-9	.0																	1	1	1	6			
-10/-11	.0																	1	1	1	3			
-12/-13	.0																	1	1	1	3			
-14/-15	.0																	1	1	1	3			
-16/-17	.0																	1	1	1	1			
-20/-21																					1			
-22/-23																					1			
-24/-25																					2			
TOTAL	17.6	50.4	21.0	0.5	2.3	.6	.2	.1	.1								2020	2021		2020				

Element (X)	Σ x <sup>2</sup>	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	12267493	154611	76.51	4.654	2020							
Dry Bulb	1848833	56949	28.21	0.993	2021	3	34.9					84
Wet Bulb	1583810	52780	26.11	0.070	2020	4	62.2					84
Dew Point	115001	43075	21.31	1.488	2020	3.1	71.4					84

USAFETAC FORM 0-26-5 (OLA) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 46-50, 57-72

FEB  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
60/ 59		.0																1	1					
58/ 57		.0		.1														4	4	2				
56/ 55		.1		.0														4	4		2			
54/ 53		.2	.0	.0	.0		.0											10	10	3				
52/ 51		.4	.1				.1											12	12	10	6			
50/ 49		.1	.3	.1	.1	.1												16	16	12	6			
48/ 47		.2	.1	.3	.2	.1												19	19	5	10			
46/ 45		.2	.0	.2	.1	.0												16	16	15	10			
44/ 43		.3	.4	.3	.2													27	27	9	7			
42/ 41	.1	.7	.9	.7	.2	.1												56	56	26	15			
40/ 39	.7	1.3	1.3	.4	.2	.0												81	81	60	23			
38/ 37	.7	1.7	2.2	.6	.2													110	110	75	47			
36/ 35	.6	2.3	2.1	.2	.1													113	113	97	52			
34/ 33	.9	2.9	1.3	.4														113	113	129	77			
32/ 31	1.3	4.1	2.0	.4														158	158	155	116			
30/ 29	1.6	4.1	2.1	.3														164	164	151	152			
28/ 27	1.5	5.3	1.1	.1														164	164	184	105			
26/ 25	1.9	4.8	1.1	.1														163	163	196	143			
24/ 23	1.3	3.4	.8															111	111	130	146			
22/ 21	1.2	3.0	.8	.1														104	104	117	157			
20/ 19	1.3	3.2	.5															102	102	111	120			
18/ 17	1.4	2.4	.1															80	80	104	122			
16/ 15	2.3	3.0	.1															111	111	103	168			
14/ 13	.7	2.2																59	59	70	108			
12/ 11	1.1	1.9	.0															61	61	77	77			
10/ 9	.9	1.7																53	53	50	74			
8/ 7	.9	1.4																48	49	54	85			
6/ 5	1.0	.7																35	37	47	70			
4/ 3	.4	.1																12	12	14	50			
2/ 1	.2	.3																12	12	10	36			
0/ -1	.1	.1																6	7	8	39			
-2/ -3		.0																1	1	1	19			
-4/ -5	.0																	1	1	2	22			
-6/ -7																					8			
Element (X)	ΣX'	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 FEB 64

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

15947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 57-72

FEB  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																		
-8/-9	.1																																	3	3	3	6	
-10/-11																																						7
-12/-13																																						2
-14/-15																																						1
-16/-17	.1																																			2	2	1
-18/-19	.0																																			1	1	1
-20/-21																																						1
-24/-25																																						1
-26/-27																																						1
-28/-29																																						1
TOTAL	22.6	53.0	17.8	4.6	1.4	.4	.1																													2037	2037	2033
																																				2037	2037	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	12832630	159038	78.313	7.73	2032	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																											
Dry Bulb	1662846	53736	26.410	10.976	2037	.6	60.0					84																										
Wet Bulb	1456188	50198	24.710	10.183	2037	.7	65.7					84																										
Dew Point	1103592	41090	20.211	11.593	2037	4.5	73.5					84																										

USAFETAC FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72

FEB  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
62/ 61		.1																2	2		
60/ 59		.0																1	1	2	1
58/ 57		.0																1	1	1	2
56/ 55		.1		.1														6	6	3	
54/ 53		.2																5	5	1	3
52/ 51		.1	.0					.0										4	4	5	4
50/ 49		.4	.0				.0	.0										11	11	7	2
48/ 47		.2	.0	.2	.0	.1												12	12	9	7
46/ 45		.3	.1	.2	.0	.0												15	15	4	10
44/ 43	.0	.3	.4	.3	.2	.0												29	29	11	7
42/ 41	.1	.7	.9	.4	.1													50	50	19	7
40/ 39	.4	1.1	1.2	.6	.4	.1												88	88	51	24
38/ 37	.7	1.6	1.7	.3	.3													108	108	77	39
36/ 35	.9	2.8	1.1	.5	.0													120	120	116	72
34/ 33	.5	2.9	1.7	.1														119	118	126	69
32/ 31	1.4	4.3	2.1	.3														183	183	163	132
30/ 29	1.5	5.0	2.0	.1														196	196	166	158
28/ 27	1.2	5.0	1.5															177	177	212	93
26/ 25	2.2	4.6	.9	.1														180	180	212	172
24/ 23	1.3	3.7	.9	.0														129	129	161	194
22/ 21	1.2	4.4	.7															144	144	139	155
20/ 19	1.1	3.2	.3	.0														107	107	129	121
18/ 17	1.4	3.2	.4															111	111	115	141
16/ 15	1.4	3.1																102	102	123	150
14/ 13	1.0	2.5	.1															83	83	91	120
12/ 11	1.3	2.1																76	76	90	90
10/ 9	1.0	2.1	.1															73	73	70	68
8/ 7	.7	1.3																45	45	48	84
6/ 5	.8	1.1																42	42	53	69
4/ 3	.5	.3																18	18	28	67
2/ 1	.4	.4																18	18	18	58
0/ -1	.3	.4																15	15	14	30
-2/ -3	.0	.2																5	5	7	32
-4/ -5	.1																	3	3	5	34
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Ref. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
-6/-7		.0																1	1	2	13				
-8/-9	.1																	3	3	3	7				
-10/-11																					9				
-12/-13	.0																	1	1	1	6				
-14/-15	.0																	1	1	1	8				
-16/-17	.0																	1	1	1	1				
-18/-19																					1				
-20/-21																					1				
-24/-25																					3				
TOTAL	21.558	8.019	8.3	3.3	1.1	.3	.1										2284	2284	2284	84					
																	2284	2284	2284						

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 62 F	> 80 F	> 93 F	
Rel. Hum.	14487937	179397	78.0	13.256	2284							
Dry Bulb	1734614	57932	25.4	10.809	2284	1.1	63.0					84
Wet Bulb	1525275	54231	23.7	10.202	2284	1.3	68.1					84
Dew Point	1169147	44121	19.3	11.781	2284	5.3	74.9					84

USAFETAC FORM 0-26-5 (L.L.A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

FEB  
 MONTH

PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71							.0											1	1						
66/ 65							.0											1	1						
64/ 63										.0								1	1						
62/ 61			.0	.0			.0			.0								4	4						
60/ 59		.0	.0	.3			.1			.1								11	11	2					
58/ 57		.0	.1	.0	.1	.0	.1	.1		.1								9	9	1					
56/ 55		.1	.1	.1	.1	.1	.2	.0	.2									17	17	1					
54/ 53	.1	.0	.0	.2	.5	.2	.1											27	27	5					
52/ 51		.0	.1	.2	.3	.1	.4	.1										25	25	4					
50/ 49		.2	.4	.4	.7	.2	.2	.0										46	46	5					
48/ 47		.2	.4	.7	.7	.0	.2											62	62	7					
46/ 45		.3	.7	1.1	.6	.4												70	70	8					
44/ 43	.0	.6	1.2	1.4	1.0	.2	.1											102	102	17					
42/ 41	.1	1.1	1.5	1.6	.8	.2	.0											128	129	25					
40/ 39	.4	.7	1.9	1.4	.8	.2												123	123	39					
38/ 37	.2	1.5	2.2	1.6	.4													132	132	68					
36/ 35	.4	2.3	1.8	1.8	.2													148	148	85					
34/ 33	.5	2.7	3.0	1.0	.2													168	168	100					
32/ 31	1.1	3.5	2.3	1.2	.1													106	186	172					
30/ 29	.6	2.7	2.2	.7	.1													143	143	166					
28/ 27	.7	3.1	2.5	.3														152	152	181					
26/ 25	1.1	2.9	2.2	.2														147	147	174					
24/ 23	.4	2.2	1.5	.1														96	96	184					
22/ 21	.3	2.0	1.6															82	82	173					
20/ 19	.5	2.5	.7	.1														88	88	115					
18/ 17	.2	1.9	.6	.0														64	64	125					
16/ 15	.6	2.0	.3															65	65	95					
14/ 13	.2	1.3	.1															45	45	98					
12/ 11	.5	1.2	.4															48	48	100					
10/ 9	.4	1.0	.1															35	35	72					
8/ 7	.2	.6	.0															18	18	62					
6/ 5	.0	.2																12	12	66					
4/ 3	.1	.6																19	15	50					
2/ 1	.0																	1	1	7					
Element (X)	2 x'	2 x		X	x'	No. Obs.										Mean No. of Hours with Temperature									
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAF ETAC FORM 04 0-26-5 (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 PORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 FEB  
STATION STATION NAME YEARS MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
0/-1	.1	.1																5	5	5	22	
-2/-3	.0	.0																2	2	1	17	
-4/-5	.0																	1	1	2	17	
-6/-7																					10	
-8/-9	.0																	1	1	1	14	
-10/-11																					5	
-12/-13																					5	
-14/-15																					2	
-16/-17																					5	
-18/-19																					1	
TOTAL	9.3	37.0	27.8	14.6	6.5	2.2	1.3	.4		.0							2281	2282	2281	2281		

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	11479828	157294	69.0	16.485	2280	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2501721	71857	31.5	11.450	2282	.3	44.4	.0				84
Wet Bulb	2053234	64492	28.3	10.040	2281	.3	54.9					84
Dew Point	1388317	49637	21.8	11.620	2281	3.6	70.5					84

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72 PER  
STATION STATION NAME YEARS MONTH  
PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
78/ 77																					1	1			
74/ 73									.0									.0	.0	.1		5	5		
72/ 71																			.1			2	2		
70/ 69									.1									.0	.0			4	4		
68/ 67								.1	.1									.1	.0	.1		14	14		
66/ 65							.1	.1	.1	.1								.1	.1			13	13		
64/ 63						.1	.1	.3	.1	.2	.0							.0	.0			19	19		
62/ 61		.0	.1	.2	.2	.3	.4	.2	.3	.1												42	42		
60/ 59		.0	.0		.2	.3	.5	.4	.2													38	38	2	1
58/ 57		.0	.0	.1	.2	.3	.7	.6	.0													48	48	11	1
56/ 55		.1	.1	.2	.4	.8	.6	.4	.0	.0												58	58	18	2
54/ 53	.0	.0	.2	.4	.7	1.0	1.1	.5	.0													90	90	19	5
52/ 51		.1	.3	.5	1.1	1.1	.5	.3														89	89	34	9
50/ 49		.1	.4	.7	1.4	1.6	.6	.2														112	112	48	9
48/ 47		.1	.5	.7	1.5	1.2	.4															100	100	69	13
46/ 45		.1	.6	1.2	1.3	1.3	.4															111	111	89	26
44/ 43	.0	.4	.9	1.3	1.1	.6	.3															104	104	114	32
42/ 41	.0	.5	.8	1.1	1.4	.4																94	94	142	33
40/ 39	.2	.5	1.2	.9	1.2	.5	.1															111	111	153	69
38/ 37	.3	1.6	1.2	1.0	1.1	.4																144	144	161	91
36/ 35	.2	2.0	2.0	1.5	.7	.2																152	152	153	91
34/ 33	.5	1.5	2.5	1.1	.4	.0																140	140	159	136
32/ 31	.5	1.9	2.5	1.1	.5																	148	148	187	162
30/ 29	.7	1.4	1.3	.8	.1																	99	99	165	176
28/ 27	.4	1.5	2.3	.7																		114	114	152	125
26/ 25	.7	1.6	1.7	.6																		104	104	129	176
24/ 23	.2	1.5	1.4	.3																		75	75	108	177
22/ 21	.3	1.3	.9	.1																		61	61	92	144
20/ 19	.3	1.6	.4	.1																		56	56	80	107
18/ 17	.1	.8	.4	.1																		32	32	60	122
16/ 15	.2	.8	.2	.0																		29	29	43	112
14/ 13	.2	.7	.2																			28	28	22	90
12/ 11	.1	.7	.1																			22	22	30	78
10/ 9	.2	.3	.0																			11	11	21	65
Element (X)	Σ X <sup>2</sup>	Σ X		X̄	s <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature							Total										
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

FEB  
 MONTH

PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
8/ 7			.3															6	6	10	54			
6/ 5			.0															1	1	5	52			
4/ 3																				1	34			
2/ 1																					25			
0/ -1																			1		14			
-2/ -3																					16			
-4/ -5																					11			
-6/ -7																					5			
-8/ -9																					5			
-10/-11																					4			
-12/-13																					3			
-16/-17																					1			
-18/-19																					2			
TOTAL	5.1	22.2	22.4	15.6	13.6	10.8	5.6	3.0	1.0	.3	.4	.1	.0					2278		2278				
																	2277			2277				

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8949077	135681	59.6	19.450	2276							84
Dry Bulb	3698643	87065	38.2	12.765	2278	.0	29.0	1.0	.2			84
Wet Bulb	2697040	74894	32.9	10.132	2277		40.8					84
Dew Point	1609616	54620	24.0	11.478	2278	2.2	64.9					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 EIGHT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72

FEB  
MONTH

PACE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/ 79														.0				1	1																	
76/ 75												.0	.0					2	2																	
74/ 73												.1						3	3																	
72/ 71										.0	.2	.0	.1					8	8																	
70/ 69							.1	.1	.1		.0	.0						10	10																	
68/ 67					.0	.0	.1	.4	.3		.0	.1						22	22																	
66/ 65					.0	.2	.3	.2	.0	.1	.0							21	21																	
64/ 63	.0				.2	.1	.4	.2	.2	.1								28	28	1	1															
62/ 61		.0	.0	.0	.3	.1	.6	.4	.3	.2								43	43	1	1															
60/ 59		.1	.0	.2	.1	.5	.6	.5	.4									56	56	2																
58/ 57		.1	.1	.3	.3	.4	1.0	.7	.1									69	69	10	1															
56/ 55	.1	.0	.0	.2	.5	.7	1.0	.8	.3									81	81	27	6															
54/ 53			.1	.2	.4	.9	.9	.5	.1									70	70	38	6															
52/ 51			.3	.9	1.1	1.2	1.1	.9										117	117	35	5															
50/ 49		.2	.4	.8	1.2	1.3	.6	.1										106	106	57	16															
48/ 47		.0	.4	.7	1.1	1.8	.6	.0										104	104	82	13															
46/ 45		.3	.6	1.0	.7	1.4	.3											94	94	104	25															
44/ 43		.6	.5	1.1	1.0	.6	.2											90	90	140	30															
42/ 41	.0	.5	.5	1.3	1.3	.6	.1											97	97	133	52															
40/ 39	.2	.8	1.0	1.2	1.4	.7	.1											124	124	143	81															
38/ 37	.3	1.2	1.0	1.9	.7	.5												128	128	147	76															
36/ 35	.3	2.3	1.7	1.2	.6	.3												145	145	159	113															
34/ 33	.5	1.4	2.0	1.0	.6	.1												127	127	171	109															
32/ 31	.5	1.4	2.5	1.3	.1	.0												140	140	173	180															
30/ 29	.3	1.4	1.8	1.0	.1													105	105	128	152															
28/ 27	.3	1.4	1.7	1.0	.3													106	106	162	116															
26/ 25	.2	1.8	1.6	.5	.1													94	94	127	159															
24/ 23	.4	1.9	1.2	.2														83	83	110	179															
22/ 21	.3	1.2	.6	.0														48	48	104	160															
20/ 19	.4	1.1	.4															44	44	66	112															
18/ 17	.4	1.0	.3	.2														42	42	33	131															
16/ 15	.1	.7	.1															21	21	29	103															
14/ 13	.2	.6	.2															21	21	31	103															
12/ 11		.7																15	15	22	76															
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>		X	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

FEB  
 MONTH

PAGE 2 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
10/ 9		.4																			1	8	12	61
8/ 7		.0																			1	1	6	40
6/ 5																							1	50
4/ 3																								36
2/ 1																						1		21
0/ -1																								9
-2/ -3																								13
-4/ -5																								10
-6/ -7																								2
-8/ -9																								10
-10/-11																								6
-12/-13																								1
-18/-19																								2
-22/-23																								1
TOTAL	4.7	21.1	19.2	10.4	12.0	11.4	7.7	4.4	1.8	.5	.3	.4	.1	.0							2274	2275	2274	2274
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	%	No. Obs.	Mean No. of Hours with Temperature						Total												
Ref. Hum.	8558830	131416	57.820	596	2274	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	3981799	90339	39.713	171	2275		26.9	1.7	.2	.0		84												
Wet Bulb	2842293	76981	33.910	196	2274		37.8					84												
Dew Point	1649999	55267	24.311	618	2274	2.0	64.2					84												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 56-72

FEB  
 MONTH

PAGE 1 1500-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
70/ 69										.0	.0						2	2		
66/ 65										.0	.0						2	2		
64/ 63									.1	.1							8	8		
62/ 61				.0	.0	.1	.1	.1	.1	.0							9	9		
60/ 59				.0	.0	.1	.1	.0	.1								12	12		
58/ 57		.0	.1	.2	.1	.1	.1	.1	.0								16	16	1	
56/ 55	.1		.2	.6	.1	.4	.4	.1									40	40	5	
54/ 53	.1	.1	.2	.2	.3	.7	.3										42	42	8	
52/ 51	.0	.2	.2	.4	.4	.5	.1	.1									43	43	20	
50/ 49	.0	.2	.4	.6	.8	.7	.2										64	64	30	
48/ 47		.2	.6	1.0	.8	.4	.1	.0									69	69	35	
46/ 45		.4	.9	1.2	1.0	.6	.1										90	90	47	
44/ 43	.1	.3	1.0	1.0	1.4	.6											104	104	86	
42/ 41	.0	1.0	1.3	1.6	.9	.3											111	111	97	
40/ 39	.1	.8	1.6	1.8	1.3	.2											125	125	100	
38/ 37	.1	1.4	1.7	2.2	.8	.1											136	136	127	
36/ 35	.6	2.9	1.8	2.3	.6	.1											176	176	145	
34/ 33	.8	2.2	2.2	.8	.4												135	135	211	
32/ 31	1.2	2.8	2.3	.9	.2	.0											156	156	191	
30/ 29	.4	2.6	1.8	.6	.0												114	114	163	
28/ 27	.6	2.7	1.9	.8	.0												128	128	155	
26/ 25	.6	2.6	1.7	.6													117	117	123	
24/ 23	.8	1.8	1.2	.3													88	88	122	
22/ 21	.3	2.3	1.0	.3													83	83	93	
20/ 19	.4	2.2	.7	.0													71	71	111	
18/ 17	.7	1.9	.4	.0													66	66	88	
16/ 15	.3	1.2	.1														39	39	60	
14/ 13	.2	.4	.1														17	17	31	
12/ 11	.3	1.0	.1														29	29	21	
10/ 9	.0	.3	.0														13	13	26	
8/ 7		.2															5	5	8	
6/ 5	.1	.2															6	6	7	
4/ 3		.0															1	1	4	
2/ 1		.1															3	3	3	

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 48-50, 56-72 YEARS FEB MONTH  
 PAGE 2 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
0/-1																					15	
-2/-3																					15	
-4/-5	.0																1	1	1	7		
-6/-7																				9		
-8/-9																				8		
-10/-11																				9		
-12/-13																				2		
-14/-15																				1		
-16/-17																				1		
TOTAL	8.2	33.2	23.9	17.5	9.5	4.9	1.7	.5	.3	.3	.1							2119	2119	2119		
																		2119	2119			

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	10201920	141672	66.9	18.565	2119							
Dry Bulb	2762636	72628	34.3	11.361	2119	.0	37.1	.1				84
Wet Bulb	2164153	64553	30.5	9.659	2119	.0	47.8					84
Dew Point	1433488	49512	23.4	11.428	2119	2.5	66.4					84

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STA TION NAME 40-45, 48-50, 56-72 YEARS Fe:3 MONTH  
 PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
62/ 61								.1										7	2		
60/ 59							.0	.2	.0									6	6		
58/ 57					.1		.0	.1	.0									7	7		
56/ 55		.0	.1	.6	.1	.1	.1											21	21		
54/ 53	.1	.2	.4	.1	.1	.1	.0											22	22	3	1
52/ 51	.0	.1	.1	.3	.2	.2												22	22	12	5
50/ 49	.0	.4	.1	.2	.4	.2												30	30	28	5
48/ 47	.0	.1	.3	.3	.4	.3												33	33	21	16
46/ 45	.1	.6	.8	.8	.3	.1												59	59	27	25
44/ 43		.5	1.0	.9	.3	.1	.0											67	60	34	13
42/ 41	.1	.9	1.4	1.2	.9	.0												88	98	61	23
40/ 39		1.6	1.9	.6	.4	.1	.0											98	98	74	33
38/ 37	.5	1.3	1.9	1.3	.6													117	117	107	53
35/ 35	.7	2.3	1.2	1.2	.1													129	128	128	80
34/ 33	1.1	3.3	3.4	1.1	.2													195	195	146	114
32/ 31	1.2	3.0	2.9	.8														179	179	170	163
30/ 29	.8	4.4	2.3	.4														167	167	213	121
28/ 27	.9	3.3	2.1	.2														140	140	205	111
26/ 25	1.4	3.4	.9	.3														126	126	156	166
24/ 23	.7	2.4	1.6	.1														101	101	117	176
22/ 21	.7	3.4	.4	.0														96	96	109	161
20/ 19	.8	2.7	1.0	.0														85	85	104	99
18/ 17	.7	3.2	.3															92	92	93	113
16/ 15	.9	2.4	.2															72	72	90	96
14/ 13	.6	1.4	.2															46	46	65	107
12/ 11	.9	1.0	.1															36	36	46	84
10/ 9	.5	.7	.0															25	25	34	72
8/ 7	.1	.4																12	12	22	59
6/ 5	.2	.4																14	14	4	61
4/ 3	.1	.1																4	4	8	40
2/ 1	.0	.1																4	4	3	33
0/ -1		.1																2	2	4	19
-2/ -3		.0																1	1		16
-4/ -5																				1	8
Element (X)	Σx'	Σx	Σ	Σx	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAF ETAC

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 40-45, 48-50, 56-72 YEARS FEB MONTH

PAGE 2. 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-6/-7																					5		
-8/-9	.1																	2	2	2	4		
-10/-11	.0																	1	1	1	2		
-12/-13	.0																	1	1	1	5		
-14/-15																					1		
-16/-17																					3		
-20/-21																					1		
TOTAL	12.8	45.5	25.0	10.7	3.9	1.2	.2	.4	.1										2094	2094	2094		
																			2094	2094			

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	11790382	153570	73.3	10.881	2094	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2178049	63591	30.4	10.861	2094	.3	48.4					84
Wet Bulb	1813423	58151	27.8	9.740	2094	.4	58.3					84
Dew Point	1306281	46641	22.3	11.303	2094	2.6	67.2					84

USAFETAC FORM 0-26-5 (OL A) REVERSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-43, 48-50, 57-71 YEARS MAP MONTH 0000-0200 HOURS (L. S. T.)

PAGE 1

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
76/ 75												.0						1	1	
74/ 73											.2							5	5	
68/ 67					.0	.1					.1							7	7	
66/ 65					.2	.2					.1							13	14	
64/ 63				.2	.2	.4	.2				.1			.0				24	26	1
62/ 61	.1		.3	.2	.2	.2	.2				.1							25	25	9
60/ 59		.2	.4	.3	.3	.1	.1	.2			.1							34	34	9
58/ 57			.2	.1	.1	.1	.4	.3	.1									29	29	26
56/ 55	.0	.2	.1	.2	.4	.3	.1	.1										32	32	29
54/ 53		.2	.2	.2	.2	.2	.4	.2	.1									75	55	28
52/ 51	.2	.4	.6	.7	.5	.4	.3	.0										76	74	21
50/ 49	.1	.3	.7	.7	.4	.2	.1											56	56	31
48/ 47	.1	.5	1.0	.8	.8	.4	.1											85	85	56
46/ 45	.2	1.4	1.0	1.0	1.2	.0												112	112	105
44/ 43	.4	.5	1.4	.9	.7	.2												94	94	94
42/ 41	.3	1.2	1.7	.9	.3													98	98	106
40/ 39	.3	1.3	1.6	1.0	.3													101	103	110
38/ 37	.4	2.1	1.4	1.5	.5													136	137	160
36/ 35	.2	3.2	1.8	.9	.4													146	146	111
34/ 33	.0	3.2	3.1	.8	.0													177	177	173
32/ 31	1.3	4.4	2.7	1.0														213	213	185
30/ 29	.9	4.0	2.5	.5														179	179	234
28/ 27	.4	3.7	1.2	.3														138	138	193
26/ 25	.8	2.8	.7	.0														98	98	165
24/ 23	.5	2.1	.7	.0														78	78	99
22/ 21	.3	1.9	.7	.0														68	68	77
20/ 19	.4	1.4	.4															51	51	60
18/ 17	.3	1.1	.0															32	32	55
16/ 15	.3	1.0																43	43	38
14/ 13		.6																14	14	36
12/ 11	.1	.8																17	17	16
10/ 9	.2	.5																16	16	20
8/ 7	.0	.0																2	2	5
6/ 5	.3																	6	6	7
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,48-50,57-71  
STATION STATION NAME YEARS

MAR  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
4/ 3	.1																3	3	3	17
2/ 1	.0	.2															6	6	3	19
0/ -1			.4														9	5	6	9
-2/ -3	.2	.0															6	6	7	2
-4/ -5																			1	1
-6/ -7																				7
-8/ -9																				4
-10/-11																				5
-12/-13																				1
TOTAL	9.0	40.0	24.5	12.0	7.7	2.5	1.9	.7	.1	.1								2279		2279
																		2279		2279

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	12663482	105756	72.7	16.334	2279							
Dry Bulb	3223650	82040	35.9	12.346	2279	.4	39.7	.5	.2			93
Wet Bulb	2681175	74241	32.6	10.739	2279	.6	49.4					93
Dew Point	2004942	62120	27.3	11.091	2279	1.2	65.0					93

USAF/ETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 57-72

MAR  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
74/ 73											.0																						1	1		
72/ 71										.1	.1																						4	4		
70/ 69										.0																							1	1		
68/ 67																																		3		
66/ 65											.1	.0	.0		.0																		5	5		
64/ 63				.1						.3	.0	.0			.0																		11	11		
62/ 61		.0	.5	.2						.2	.0	.0			.0																		24	24	4	
60/ 59	.0	.2	.2	.2	.1					.2	.0	.1																					24	24	9	
58/ 57	.0	.3	.4	.2	.1					.2	.2																						34	34	19	
56/ 55		.3	.2	.2	.3	.2				.3	.2																						33	33	27	
54/ 53		.1	.3	.3	.3	.3				.3	.4	.3																					39	39	22	
52/ 51	.1	.6	.4	.3	.7	.2				.1	.2	.1																					57	57	26	
50/ 49	.2	.0	.3	.3	.3	.3	.1																										50	50	35	
48/ 47		.1	.7	.6	.4	.3																											48	48	43	
46/ 45	.2	1.1	.8	1.0	.5	.0																											84	84	61	
44/ 43	.4	1.4	1.1	.9	.8																												107	107	84	
42/ 41	.7	1.3	1.3	1.0	.3																												103	103	59	
40/ 39	.1	1.0	2.5	.8	.4																												110	110	98	
38/ 37	.7	2.1	1.3	1.4	.3																												133	133	145	
36/ 35	.3	2.9	1.7	.9	.2																												138	138	121	
34/ 33	.8	3.6	2.2	.6	.1																												167	167	159	
32/ 31	1.0	4.3	2.5	.4	.1																												189	189	200	
30/ 29	1.3	5.1	3.1	.7																													234	234	200	
28/ 27	1.5	3.8	1.5	.2																													162	162	233	
26/ 25	1.0	3.4	.9	.1																													123	123	190	
24/ 23	.8	2.3	.4																														82	82	115	
22/ 21	.4	1.6	.3																														59	59	93	
20/ 19	.5	2.0	.3																														66	66	59	
18/ 17	.7	1.8	.3																														65	65	75	
16/ 15	.3	1.5																															41	41	50	
14/ 13	.3	.9																															26	26	43	
12/ 11	.1	.7																															18	18	16	
10/ 9	.3	.2																															12	12	21	
8/ 7	.4	.6																															23	23	16	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	1-32 F	≥ 67 F	≥ 73 F	> 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AFB 39-45, 48-50, 57-72  
STATION STATION NAME YEARS

MAR  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
6/ 5	.2	.1																7	7	13	36			
4/ 3	.1	.0																4	4	5	31			
2/ 1	.1	.0																4	4	4	27			
0/ -1	.0	.1																4	4	4	9			
-2/ -3	.2																	4	4	5	7			
-4/ -5	.2																	4	4	4	5			
-6/ -7																					3			
-8/ -9																					6			
-10/-11																					6			
-12/-13																					1			
TOTAL	17.0	44.1	23.5	10.4	5.5	2.1	1.2	.1	.0	.0								2302	2305	2302	2302			
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	13564753	172999	75.21	13.499	2300	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	3007040	78438	34.01	12.109	2305	.5	45.5	.4	.0			93												
Wet Bulb	2509626	71862	31.21	10.750	2302	.5	54.4					93												
Dew Point	1921271	60761	26.41	11.783	2302	1.5	67.5					93												

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FHPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-50, 56-72 YEARS MAR MONTH  
PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	*31	Dry Bulb	Wet Bulb
70/ 69					.0		.0	.0										3	3	
68/ 67						.0	.0											2	4	
66/ 65				.1	.0	.0	.0	.0										6	0	
64/ 63			.2	.1	.1	.1	.1											12	12	
62/ 61		.1	.1	.2	.2	.2	.2	.0	.1	.0	.1							20	20	1
60/ 59		.1	.2	.2	.1	.1	.0	.0				.1						12	19	12
58/ 57		.2	.0	.2	.3	.2	.0											35	35	14
56/ 55		.3	.2	.3	.3	.2	.0											36	36	22
54/ 53	.0	.1	.2	.4	.5	.2	.1											42	42	27
52/ 51	.1	.3	.5	.4	.5	.4	.0											60	60	29
50/ 49	.2	.5	.5	.6	.4	.4	.1											68	67	39
48/ 47	.1	.5	.6	.7	.4	.2												64	64	55
46/ 45	.3	.6	.7	.5	.5	.1	.0											69	69	71
44/ 43	.2	1.1	.9	1.2	.4													94	94	70
42/ 41	.4	1.8	1.0	1.2	.4	.1												123	123	93
40/ 39	.3	1.6	2.4	.0	.4													137	137	131
38/ 37	.7	1.2	2.0	1.4	.2													154	155	142
36/ 35	.2	2.8	2.3	1.4	.2													174	174	146
34/ 33	.7	3.7	2.6	.6	.0													192	192	179
32/ 31	1.2	4.5	2.7	.9														223	223	269
30/ 29	1.2	4.6	2.6	.3														203	203	215
28/ 27	1.1	3.9	1.4	.1														163	163	228
26/ 25	1.2	3.4	.8	.0														138	138	186
24/ 23	1.0	2.6	.6	.0														106	106	136
22/ 21	.3	2.3	.3															72	72	91
20/ 19	.4	1.8	.4															75	75	86
18/ 17	.5	1.8	.1															59	59	72
16/ 15	.2	1.1	.2															35	35	48
14/ 13	.2	.9	.1															29	29	35
12/ 11	.2	.8																25	25	29
10/ 9	.3	.5																20	20	27
8/ 7	.2	.3	.0															14	14	18
6/ 5	.2	.4																15	15	11
4/ 3	.0	.0																2	2	10
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 3 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 35-45, 47-50, 56-72  
STATION STATION NAME YEARS

MAR  
MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
2/ 1		.1	.0															3	3	2	24
0/ -1		.2	.2															9	9	8	11
-2/ -3		.0																1	1	3	2
-4/ -5		.0	.0															2	2	2	14
-6/ -7		.1																7	2	2	7
-8/ -9																					4
-10/-11																					6
-12/-13																					3
-16/-17																					1
TOTAL	12.1	44.7	23.0	11.3	5.2	2.2	.6	.2	.1									2508		2510	2509

Element (X)	Σx <sup>2</sup>	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≤ 73 F	≥ 80 F	≤ 93 F	
Rel. Hum.	14688944	188152	75.0	15.127	2508							
Dry Bulb	3241290	85138	33.9	11.869	2510	.5	44.3	.3				93
Wet Bulb	2710125	78067	31.1	10.587	2509	.6	54.8					93
Dew Point	2071617	65903	26.3	11.653	2509	1.8	67.9					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/79													.0																				1	1		
78/77								.1	.1	.0	.0																						6	6		
76/75									.2													.0	.0										6	6		
74/73							.0	.1	.1	.1												.2	.0										14	14		
72/71				.0			.1	.1	.0	.1												.1											11	11		
70/69					.1	.2	.3	.2	.3	.2	.1																						35	35		
68/67				.2	.2	.3	.2	.3	.1	.2																							37	37	1	
66/65				.0	.2	.3	.2	.4	.4	.1	.0																						40	40	1	1
64/63			.0	.2	.2	.4	.5	.3	.3	.0																							42	42	5	
62/61			.2	.2	.2	.2	.3	.3	.3	.0																							53	53	15	
60/59		.2	.2	.3	.4	.8	.4	.4	.3	.0																							73	73	22	3
58/57		.1	.2	.3	.5	.7	.3	.4	.1																								67	67	42	10
56/55	.0	.2	.2	.3	.6	.8	.5	.3	.1																								76	76	44	15
54/53	.2	.1	.3	.6	.8	.8	.6	.1	.0																								85	85	55	35
52/51	.0	.3	.2	.4	.9	1.0	.6	.0																									87	87	73	27
50/49	.1	.2	.4	.6	1.2	.9	.1	.1																									90	90	100	37
48/47	.1	.6	.5	1.0	1.4	1.2	.2																										125	125	94	38
46/45	.1	.4	.7	1.6	1.5	.6	.2																										131	131	100	43
44/43	.2	.8	1.4	1.6	1.4	.4																											145	145	128	67
42/41	.1	1.1	.9	1.9	1.1	.2	.0																										135	135	156	87
40/39	.1	1.2	2.5	1.6	1.1	.1																											165	165	163	86
38/37	.3	.8	1.9	2.3	.7	.1																											152	152	196	120
36/35	.2	1.9	2.0	1.8	.2																												155	155	190	136
34/33	.3	2.3	2.4	.6	.3																												155	155	193	144
32/31	.8	2.2	1.7	.9	.1																												142	142	214	222
30/29	.5	.9	1.2	.7	.1																												84	84	174	217
28/27	.4	1.3	1.4	.4																													102	102	105	147
26/25	.4	1.3	1.1	.4																													79	79	109	195
24/23	.1	1.0	1.0	.0																													53	53	87	169
22/21	.1	.3	.5	.0																													37	37	60	144
20/19	.1	.7	.3																														28	28	50	106
18/17	.2	1.0	.2																														34	34	37	73
16/15	.0	.6	.2																														21	21	31	73
14/13	.1	.4	.0																														13	13	23	69
Element (X)	Σ x'		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM JUL-64 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-50, 56-72 YEARS

MAR MONTH

PAGE 2 0700-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
12/ 11	.0	.2	.0															6	6	11	51	
10/ 9	.0	.1	.0															5	5	6	37	
8/ 7	.0	.2																6	6	9	44	
6/ 5	.1	.2																6	6	4	34	
4/ 3	.1	.0																3	3	7	18	
2/ 1	.0	.0																2	2	1	13	
0/ -1																				1	15	
-2/ -3																					3	
-4/ -5																					9	
-6/ -7																					3	
-8/ -9																					0	
-10/-11																					1	
-12/-13																					1	
TOTAL	4.8	21.9	21.8	18.1	13.1	9.0	4.8	3.2	2.2	.7	.4	.1	.1							2507		2507
																		2507			2507	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10521432	155500	62.0	18.700	2507	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4817482	104596	41.7	13.453	2507		23.0	4.1	1.0	.0		93
Wet Bulb	3586859	90881	36.3	10.801	2507	.0	34.5	.0				93
Dew Point	2372471	71213	28.4	11.812	2507	1.4	61.2					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FUPT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72  
 STATION STATION NAME YEARS

MAR  
 MONTH

PAGE 1 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
90/ 89																.0											.0				1	1			
88/ 87															.0	.0												.0				3	3		
86/ 85																	.0										.1					3	3		
84/ 83																.1	.1										.0					7	7		
82/ 81																.1	.2										.1					9	5		
80/ 79															.1	.1	.2	.0	.2	.2							.2					21	21		
78/ 77						.0	.0		.0	.0	.1	.1	.2	.3	.1												.1					23	23		
76/ 75					.0	.0		.1	.3	.3	.3	.3	.3	.1																		35	35		
74/ 73					.0	.1	.0	.3	.3	.4	.4	.4	.3	.3																		42	42		
72/ 71					.0	.2	.3	.2	.4	.5	.4	.4	.1	.0																		55	55		
70/ 69					.2	.2	.3	.3	.4	.6	.5	.1																				67	67		
68/ 67				.0	.1	.1	.4	.4	.5	.5	.4																					61	61	3	
66/ 65				.2	.1	.3	.4	.6	.5	.6	.4	.3	.0																			70	70	8	
64/ 63				.2	.2	.5	.5	.6	.6	.6	.4	.2																				81	81	14	2
62/ 61		.0	.1	.3	.5	.6	.7	.7	1.0	.1	.0																					102	102	26	
60/ 59		.2	.2	.2	.4	.6	.6	.4	.7	.1																						80	80	47	6
58/ 57		.0	.1	.2	.6	.9	.8	.8	.3	.0																						97	97	55	14
56/ 55	.0	.1	.1	.3	.4	.7	1.1	.7	.2																							93	93	97	17
54/ 53	.0	.1	.1	.2	.8	1.2	1.2	.3	.1																							101	101	100	27
52/ 51	.1	.0	.3	.4	.9	1.2	1.0	.3																								110	110	125	36
50/ 49	.1	.3	.4	.5	1.2	1.7	.9	.1																								130	130	105	37
48/ 47		.4	.5	1.1	1.2	1.3	.5	.0																								124	124	145	50
46/ 45	.1	.3	.4	.6	1.1	1.4	.1																									103	103	148	66
44/ 43	.1	.5	.8	1.1	.8	.6	.2																									101	101	158	77
42/ 41	.1	.6	1.2	1.1	1.4	.8	.0																									131	131	170	95
40/ 39	.1	.3	1.0	1.4	.9	.3	.0																									123	123	164	104
38/ 37	.2	.6	1.4	1.7	.9	.2																										125	125	180	106
36/ 35	.2	1.2	1.8	1.2	.8	.1																										134	134	156	141
34/ 33	.4	1.0	1.6	.9	.4																											107	107	150	177
32/ 31	.5	1.2	1.0	.7	.2																											93	93	180	197
30/ 29	.3	.9	1.1	.4	.0																											70	70	121	168
28/ 27	.1	.6	1.0	.3																												56	50	103	174
26/ 25	.2	.8	1.1	.2																												53	53	71	196
24/ 23	.1	.3	.6	.1																												29	29	51	187
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature										Total																		
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72  
STATION STATION NAME YEARS

MAR  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
22/ 21	.0	.4	.3	.1														19	19	43	130	
20/ 19	.1	.3	.1															11	11	28	71	
18/ 17	.1	.2	.1	.1														13	13	10	99	
16/ 15		.0																1	1	6	67	
14/ 13		.2	.1															7	7	6	57	
12/ 11		.1	.0															3	3	6	68	
10/ 9		.2																5	5	6	44	
8/ 7		.2																4	4	4	28	
6/ 5		.0																1	1	3	9	
4/ 3																				1	14	
2/ 1																					9	
0/ -1																					8	
-2/ -3																					7	
-4/ -5																					4	
-6/ -7																					1	
-8/ -9																					1	
-10/-11																					2	
-12/-13																					2	
TOTAL	3.0	10.8	16.4	13.6	13.4	13.2	9.0	5.8	5.4	3.8	2.9	1.3	.7	.5	.1	.1		2498	2498	2498	2498	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	7216040	130762	52.320	7.19	2498	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	6378306	120356	48.314	8.48	2498		13.4	12.2	5.4	1.3		93										
Wet Bulb	4292141	100099	40.110	7.40	2498		24.1	.1				93										
Dew Point	2502166	73558	29.411	6.02	2498	.9	57.4					93										

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FUPT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

MAR  
 MONTH

PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
90/ 89													.0				.0	2	2	
88/ 87													.0					5	5	
86/ 85													.0					5	5	
84/ 83													.1					11	11	
82/ 81													.0					16	16	
80/ 79													.1					41	41	
78/ 77								.0	.0	.0	.0	.2	.4	.2	.2	.1		30	30	
76/ 75						.0	.0	.1	.1	.1	.2	.3	.3	.2				33	33	
74/ 73							.1	.2	.1	.3	.4	.4	.4	.1				51	51	
72/ 71						.1	.2	.4	.5	.5	.4	.5	.3	.2				75	75	
70/ 69						.2	.2	.2	.2	.6	.6	.7	.5					79	79	
68/ 67					.0	.0	.2	.2	.6	.6	.9	.4	.0					74	74	4
66/ 65					.2	.4	.2	.2	.4	.7	.9	.4						81	81	10
64/ 63					.1	.2	.3	.5	.5	.7	.5	.2						73	73	16
62/ 61		.0	.1	.2	.3	.9	.4	.3	.5	.4								96	96	41
60/ 59		.1	.2	.4	.5	.7	.7	.6	.7	.3	.0							94	94	49
58/ 57		.1	.2	.2	.4	.8	.6	1.1	.2	.0								89	89	78
56/ 55			.2	.2	.5	.7	1.3	.8	.4									103	103	72
54/ 53		.1	.2	.2	.8	1.0	1.2	.4	.3									103	103	112
52/ 51	.0	.1	.2	.4	1.2	1.2	1.1	.2	.0									112	112	131
50/ 49	.0	.3	.4	.7	1.0	1.0	.6	.2										102	102	122
48/ 47		.2	.6	1.0	1.1	.8	1.0	.0										116	116	168
46/ 45	.1	.5	.4	.9	.8	.8	.4	.0										96	96	140
44/ 43		.3	.7	1.0	1.0	1.0	.3	.2										113	113	174
42/ 41	.2	.6	.9	.8	1.2	.7	.1											112	112	166
40/ 39	.2	1.0	1.3	1.4	1.0	.8	.0											144	144	168
38/ 37	.1	.8	1.3	1.5	1.3	.1												126	126	135
36/ 35	.2	1.2	1.3	1.1	.3													104	104	166
34/ 33	.4	1.2	1.0	.6	.4													88	88	179
32/ 31	.2	1.2	.9	.8	.0													77	77	151
30/ 29	.4	.9	.9	.6														61	61	122
28/ 27	.2	.7	1.0	.2	.0													55	55	60
26/ 25	.3	.6	.7	.2														48	48	84
24/ 23	.1	.1	.4	.0														17	17	46
Element (X)	ΣX²	ΣX	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (01A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72 MAR  
STATION MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21	.0	.6	.2															22	22	33	139
20/ 19	.0	.2																9	9	33	87
18/ 17		.1																2	2	4	116
16/ 15		.2	.3															12	12	2	68
14/ 13		.1																3	3	9	60
12/ 11		.1	.1															5	5	5	66
10/ 9																				4	33
8/ 7	.1	.0																2	2	4	32
6/ 5																					10
4/ 3	.1	.0																3	3	3	9
2/ 1																					7
0/ -1																					10
-2/ -3																					3
-4/ -5																					6
-6/ -7																					2
-10/-11																					1
TOTAL	2.9	11.2	13.4	12.5	12.7	11.5	9.6	0.7	5.9	5.1	3.7	2.0	1.3	.5	.2	.1	.0	2491	2491	2491	2491

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	7466737	125307	50.32	1.595	2490							
Dry Bulb	6803140	124452	50.01	1.333	2491		11.8	15.8	7.2	2.2		93
Wet Bulb	4464322	102020	41.01	1.710	2491		20.9	.1				93
Dew Point	2508099	73681	29.61	1.489	2491	.8	57.3					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 56-72  
STATION STATION NAME YEARS

MAR  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
84/ 83											.0							1	1					
82/ 81										.1	.0		.0					4	4					
80/ 79							.0		.1	.2	.0							5	5					
78/ 77								.1	.2	.3	.0		.1	.0				10	10					
76/ 75								.1	.3	.1			.1					12	12					
74/ 72							.1	.1	.2	.0	.2	.2	.0					18	19					
72/ 71			.0		.0		.1	.2	.3	.2	.0	.0						23	23					
70/ 69		.0	.0		.1	.1	.2	.2	.3	.2	.1							33	33					
68/ 67		.0	.0	.1	.1	.3	.4	.4	.3	.3	.2	.1						46	46	2	1			
66/ 65		.0	.0	.1	.3	.3	.4	.5	.5	.1	.2							56	56	3	1			
64/ 63		.1	.1	.2	.3	.3	.1	.5	.4	.3	.0							56	56	7	2			
62/ 61		.0	.2	.1	.3	.4	.5	.5	.5	.1								62	63	16	1			
60/ 59		.1	.2	.1	.5	.6	.6	.7	.4	.1	.0							77	77	30	4			
58/ 57		.1	.2	.4	.7	.5	.7	.6	.4									84	85	47	12			
56/ 55		.1	.3	.3	.7	.6	.5	.3	.3									72	72	47	15			
54/ 53		.3	.1	.8	.8	.9	1.2	.3	.0									101	101	60	21			
52/ 51	.0	.1	.5	.6	.8	.8	.8	.3										91	91	85	27			
50/ 49	.0	.6	.6	1.0	.9	1.0	.3	.0										104	104	97	38			
48/ 47	.0	.3	.6	.8	1.2	1.0	.4											108	108	122	44			
46/ 45	.1	.6	.8	1.5	1.7	.6	.4											133	133	118	56			
44/ 43	.1	.9	1.0	1.2	.6	.6	.0											102	102	138	70			
42/ 41	.1	.4	1.2	1.8	.9	.6	.1											118	118	169	96			
40/ 39	.1	1.5	1.8	.9	1.0	.5	.1											138	138	143	93			
38/ 37	.3	1.3	2.2	1.7	.8	.2												150	150	175	115			
36/ 35		1.5	1.4	1.6	.4													118	118	155	138			
34/ 33	.3	2.4	1.9	1.6	.4													140	140	164	148			
32/ 31	.6	1.8	2.2	.8	.1													127	127	166	176			
30/ 29	.3	.8	1.2	.7	.0													73	73	159	208			
28/ 27	.2	1.0	.9	.5														60	60	112	137			
26/ 25	.6	1.0	.6	.3														58	58	88	140			
24/ 23	.1	.9	1.2															52	52	53	136			
22/ 21		.4	.4															20	20	53	123			
20/ 19	.2	.9	.1															29	29	47	112			
18/ 17		.3	.0															9	9	21	103			
Element (X)	Σx'	Σx	̄x	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 04 0-26-5 (O.I. A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,48-50,56-72 YEARS

MAR MONTH

PAGE 2 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
16/ 15	.1	.0																3	3	10	68	
14/ 13	.0	.2	.0															6	6	2	53	
12/ 11	.1	.0	.1															5	5	6	58	
10/ 9	.0	.3																7	7	8	39	
8/ 7		.1																2	2	2	25	
6/ 5		.1																2	2	3	22	
4/ 3	.1	.1																5	5	4	13	
2/ 1	.0	.0																2	2	3	5	
0/ -1																				1	6	
-2/ -3																					5	
-4/ -5																					2	
-6/ -7																					6	
-8/ -9																					4	
TOTAL	3.0	18.7	20.1	17.0	12.6	9.2	6.6	4.6	3.9	1.9	1.1	.4	.2	.1			2323	2325		2323		
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.	9126475	137509	59.220	614	2323	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93										
Dry Bulb	5024764	103194	44.4	13.831	2325		18.4	6.1	2.0	.2		93										
Wet Bulb	3610987	88201	38.0	10.625	2323	.0	29.6	.1				93										
Dew Point	2300787	67897	29.2	11.671	2323	.0	57.7	.0				93										

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

12947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 56-72

MAD  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
78/ 77									.1																							2	2			
76/ 75									.1																							4	4			
72/ 71						.0			.0	.1																						4	4			
70/ 69					.0		.0	.1	.1	.0	.1																					5	10			
68/ 67					.2	.2	.4	.2																								25	26			
66/ 65			.0		.2	.2	.3	.0	.1							.0																15	15			
64/ 63		.1	.2	.2	.1	.3	.1	.2	.1	.0						.0																29	29	2		
62/ 61	.0	.1	.3	.3	.4	.1	.1	.2	.0	.0						.0																36	36	13	3	
60/ 59		.0	.3	.2	.2	.4	.2	.5	.1	.0																						46	46	16	1	
58/ 57	.0	.1	.2	.2	.5	.5	.4	.3	.0																							52	52	39	11	
56/ 55		.1	.4	.3	.5	.3	.3	.3	.0																							51	52	26	14	
54/ 53	.0	.3	.3	.7	.7	.3	.7	.2																								81	81	26	19	
52/ 51		.4	.7	1.1	.8	.4	.2	.1																								84	84	55	32	
50/ 49	.2	.2	.7	1.0	1.1	.6	.0	.0																								87	87	54	41	
48/ 47		.6	1.4	1.0	1.0	.3	.1																									98	98	88	33	
46/ 45	.2	.7	1.0	1.2	1.0	.6																										108	108	115	40	
44/ 43	.2	.7	1.7	1.3	.9	.2																											114	114	115	60
42/ 41	.2	1.1	1.6	1.3	.6	.0																											110	110	119	79
40/ 39	.3	1.4	1.6	1.7	.3	.2																											125	128	136	94
38/ 37	.3	2.3	1.9	1.8	.4	.1																											156	156	153	98
36/ 35	.1	2.2	2.5	1.7	.2																												155	155	164	130
34/ 33	.2	2.7	3.1	1.9	.3																												163	163	175	157
32/ 31	1.0	2.5	2.2	.7																													148	148	195	184
30/ 29	.6	2.4	2.4	.5																													146	146	191	161
28/ 27	.2	2.8	1.6	.4	.0																												115	116	158	160
26/ 25	.7	1.6	.7	.2	.0																												74	74	133	165
24/ 23	.7	1.2	.9	.1																													66	66	93	146
22/ 21	.1	1.2	.6																														44	44	53	150
20/ 19	.2	1.0	.4																														38	38	51	116
18/ 17	.2	1.0	.0																														28	28	48	86
16/ 15	.2	1.0																															27	27	32	78
14/ 13	.1	.3	.0																														9	9	21	42
12/ 11	.1																																2	2	7	51
10/ 9	.0	.3																															7	7	2	39
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X	X <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																								
Ref. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-49, 18-50, 56-72

MAR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL U.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
8/ 7	.0	.0																2	2	7	36				
6/ 5	.1	.0																3	3	2	25				
4/ 3	.1	.2																7	7	5	18				
2/ 1	.1	.2																6	6	7	11				
0/ -1	.0																	1	1	3	4				
-2/ -3																					4				
-4/ -5																					5				
-6/ -7																					4				
-8/ -9																					3				
-12/-13																					1				
TOTAL	7.0	24.2	26.6	17.1	9.0	5.0	2.5	2.0	.7	.3	.0							2301	2304	2301	2301				

Element (X)	Σx <sup>2</sup>	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	> 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	11462958	157276	68.4	17.601	2301							
Dry Bulb	3874510	89956	39.0	12.543	2304	.0	29.2	1.9	.2			93
Wet Bulb	3043459	80099	34.8	10.533	2301	.1	40.7					93
Dew Point	2178402	65608	28.5	11.567	2301	.8	60.2					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1947 FORT KILEY KANSAS/MARSHALL AAF 39-45, 48-50, 51-71  
STATION STATION NAME YEARS

APP  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
76/75						.0		.0	.0	.1								5	5																
74/73			.0		.0		.0	.1	.1									8	10																
72/71			.2	.1	.4	.2	.2	.0	.1									27	29																
70/69			.3	.3	.5	.3	.5	.1	.1	.1								50	52	3															
68/67			.5	.2	.4	.6	.3	.1	.0									47	47	7	4														
66/65		.1	.4	.4	.6	.3	.1	.2	.0									50	50	10	5														
64/63		.3	.6	.6	.4	.6	.4	.1	.1									66	66	30	12														
62/61	.1	.2	.8	.5	.4	.5	.3	.3	.0									78	78	41	19														
60/59	.1	.6	.8	.9	.5	.4	.4	.2	.0	.0								89	89	64	28														
58/57		.9	1.0	1.0	1.2	.8	.3	.0	.1									120	120	93	44														
56/55	.1	1.5	1.7	1.1	1.0	.7	.3	.0										144	144	88	62														
54/53	.2	1.4	1.2	1.7	1.4	.8	.3	.0										156	156	114	77														
52/51	.1	1.5	1.7	1.0	.7	.0	.4	.0										149	149	141	99														
50/49	.1	2.0	2.1	1.7	1.2	.4												166	166	141	111														
48/47	.2	2.0	1.5	1.5	.7	.3												138	138	198	120														
46/45	.2	2.1	1.8	1.3	.7	.2												140	140	179	139														
44/43	.5	1.8	2.5	1.0	.4	.1												140	140	181	144														
42/41	.3	2.0	1.9	1.2	.4													125	125	154	160														
40/39	.6	1.0	2.8	1.2	.2	.0												140	140	162	163														
38/37	.4	1.5	1.0	.6	.3													97	97	141	142														
36/35	.6	2.1	.8	.9	.2													108	105	143	170														
34/33	.2	1.2	1.0	.1	.0													57	57	104	147														
32/31	.4	1.0	.7	.3														53	53	79	143														
30/29	.2	.9	.4															33	33	69	114														
28/27	.1	.9	.1															25	25	35	61														
26/25	.1	.4	.1															14	14	33	90														
24/23		.3	.0															8	8	13	46														
22/21		.3																6	6	9	45														
20/19																				4	27														
18/17																					34														
16/15																					10														
14/13																					5														
12/11																					6														
10/9																					3														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1947 FUPT RILEY KANSAS/MARSHALL AFB 39-45, 48-50, 57-71 APR  
STATION STATION NAME YEARS MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
TOTAL	4.3	70.0	70.7	71.8	80.1	11.8	0.8	3.6	1.4	.6	.3										2236	2242	2236

Element (X)	Σx²	Σx	$\bar{x}$	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	12085797	160103	71.6	16.615	2235							40
Dry Bulb	5836362	109730	48.9	13.752	2242	5.6	5.7	.6				90
Wet Bulb	4583600	99058	44.3	9.245	2236	9.7	.6					90
Dew Point	3710721	87985	39.3	10.346	2236	23.7	.2					90

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION      FORT RILEY KANSAS/MARSHALL AAF STATION NAME      39-45, 48-50, 57-72 YEARS      APR MONTH

PAGE 1      0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
74/ 73				.0	.0	.0		.1										6	6			
72/ 71			.2		.1			.1										10	12			
70/ 69		.0	.1	.2	.6	.1	.1	.0										29	29			
68/ 67		.0	.5	.4	.3	.2	.3	.1										42	44	10	4	
66/ 65		.1	.4	.7	.7	.4	.1											52	53	4	6	
64/ 63		.1	.4	.5	.3	.2		.1										36	36	26	5	
62/ 61		.4	.4	.7	.4	.5	.1	.2										62	62	36	18	
60/ 59	.1	.9	1.2	.8	.8	.6	.2	.0	.0									105	102	61	28	
58/ 57	.0	1.4	.9	.6	.8	.4	.2		.0	.1								100	100	63	40	
56/ 55	.1	1.7	1.6	.7	.2	.5	.1	.0										109	109	107	67	
54/ 53	.3	1.8	1.4	1.0	1.1	.5	.1											141	141	96	84	
52/ 51	.2	1.3	2.5	1.6	.5	.4	.1											147	147	131	104	
50/ 49	.0	2.2	2.3	1.1	.7	.3	.1											151	151	119	90	
48/ 47	.2	1.9	1.2	1.4	.4	.2												120	120	174	110	
46/ 45	.5	2.6	1.4	2.1	.8	.2												168	158	173	135	
44/ 43	.7	2.1	2.2	1.3	.2	.1												150	150	145	155	
42/ 41	.7	2.4	1.9	.6	.3													130	130	171	148	
40/ 39	.4	2.0	2.0	.7	.2													118	118	159	129	
38/ 37	.4	2.5	1.7	1.2	.1													132	132	147	144	
36/ 35	.8	2.8	1.2	.6	.1													114	114	139	159	
34/ 33	.7	2.3	1.3	.1														103	103	132	151	
32/ 31	.3	1.5	1.3	.4														79	79	115	148	
30/ 29	.4	1.2	.4	.1														49	49	80	135	
28/ 27	.4	.9	.0	.0														31	31	75	72	
26/ 25	.3	.6	.1															22	22	29	95	
24/ 23	.2	.5																16	16	17	62	
22/ 21		.5																11	11	17	41	
20/ 19	.0	.1																4	4	10	38	
18/ 17		.1																3	3	4	30	
16/ 15		.0																1	1	1	17	
14/ 13																					9	
12/ 11																					5	
10/ 9																					4	
8/ 7																					1	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,48-50,57-72 YEARS APR MONTH

PAGE 2 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
6/5																							1
TOTAL	6.8	74.0	20.7	15.8	8.3	4.7	1.0	.9	.1	.1										2241	2247		2241
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_X$	No. Obs.	Mean No. of Hours with Temperature							Total										
Rel. Hum.	13385261	169539	75.715	513	2241	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90											
Dry Bulb	5180626	105078	46.810	899	2247		8.7	3.7	.2			90											
Wet Bulb	4349205	96273	43.0	9.759	2241		14.0	.4				90											
Dew Point	3639048	87014	38.810	.783	2241		26.4	.2				90											

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

APP  
 MONTH

PAGE 1 0600-0900  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
76/ 75			.0				.0																		7	2		
74/ 73			.0	.0	.0		.1	.1																	7	8		
72/ 71			.2	.2	.1	.1	.2																		19	19	1	
70/ 69			.2	.3	.2	.2	.1	.0	.0																33	35	2	1
68/ 67			.5	.4	.7	.3	.2	.0	.1																53	53	8	2
66/ 65		.2	.5	.4	.5	.3	.0																		47	50	10	9
64/ 63		.3	.6	.7	.3	.2	.1	.1																	59	59	36	9
62/ 61	.0	.4	1.2	1.0	.9	.4	.2	.0		.0															95	95	41	23
60/ 59	.2	.9	1.3	.7	.9	.4	.4	.0		.0															115	115	88	40
58/ 57	.0	1.1	1.4	1.1	.5	.6	.3		.0	.0															126	126	85	48
56/ 55	.1	1.3	1.6	1.1	.9	.7	.0	.1																	147	147	111	81
54/ 53	.2	1.6	1.4	1.6	.8	.5	.1																		143	143	128	113
52/ 51	.1	1.4	2.6	2.2	.6	.4	.3																		162	162	133	105
50/ 49	.2	1.6	2.3	1.1	.5	.2	.2																		154	154	140	112
48/ 47	.3	2.1	2.0	1.4	.9	.4																			171	171	213	107
46/ 45	.2	2.2	1.6	1.6	.5	.1																			157	157	186	155
44/ 43	.2	2.1	2.1	1.4	.5	.1	.0																		159	159	170	167
42/ 41	.3	1.9	1.7	1.6	.2	.0																			144	144	171	172
40/ 39	.3	1.5	2.7	.9	.3	.0																			141	141	173	161
38/ 37	.5	2.0	1.5	.9	.2																				125	125	163	156
36/ 35	.5	2.0	1.3	.5	.1																				107	107	170	163
34/ 33	.4	1.6	1.2	.2	.0																				85	85	104	158
32/ 31	.4	.9	.9	.3																					62	62	115	135
30/ 29	.2	.7	.5	.1																					36	36	67	132
28/ 27	.2	.9	.3	.0																					35	35	54	68
26/ 25	.2	.4	.0																						16	16	36	97
24/ 23		.2	.0																						5	6	15	68
22/ 21		.2																							5	5	8	49
20/ 19	.2	.2																							9	9	8	40
18/ 17																											3	25
16/ 15																												15
14/ 13																												12
12/ 11																												7
10/ 9																												2
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																
Dry Bulb																												
Wet Bulb																												
Dew Point																												

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-50,56-72 YEARS APR MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
8/7																					1			
6/5																					1			
TOTAL	5.0	27.7	29.7	20.5	9.1	5.0	2.3	.5	.2	.1								2439	2446	2439	2439			
Element (X)	ΣX <sup>2</sup>		ΣX		Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total											
Rel. Hum.	13519438		179756		73.7	15.294	2439	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90										
Dry Bulb	5947537		117777		48.2	10.634	2446		6.2	4.3	.4			90										
Wet Bulb	4055553		107399		44.0	9.635	2439		11.3	.4				90										
Dew Point	4106921		96407		39.5	10.910	2439		24.1	.1				90										

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

APR  
MONTH

PAGE 1 0700-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
84/ 83										.0	.1	.0	.0					5	5							
82/ 81						.0		.0	.1	.1	.1	.1	.0					12	13							
80/ 79							.1	.2	.2	.2	.0							20	21							
78/ 77					.1	.2	.3	.3	.4	.1	.1	.0						40	40							
76/ 75			.0	.1	.1	.4	.5	.2	.2	.2	.2	.1						52	53							
74/ 73				.2	.5	.4	.6	.4	.4	.3	.2							74	74							
72/ 71				.1	.9	.3	.4	.6	.4	.2	.2	.1						77	77	3						
70/ 69			.2	.6	.7	.7	.7	.4	.1	.1	.0							99	99	6	1					
68/ 67		.4	.6	.6	.7	1.0	.7	.6	.3	.1								122	122	22	3					
66/ 65	.1	.4	.9	.9	.9	1.0	.8	.7	.5	.2	.1							131	131	59	8					
64/ 63		.1	.3	.9	.9	1.1	.9	.9	.5	.3	.0							147	147	81	14					
62/ 61		.8	.7	.8	1.3	1.1	.8	.5	.5	.1								160	160	105	57					
60/ 59		.4	.9	1.2	.9	1.3	1.1	.5	.2									159	159	114	67					
58/ 57		.3	.6	.6	1.2	1.4	1.0	.7	.1									144	144	142	86					
56/ 55		.9	.7	1.2	1.3	1.3	.8	.2	.1									161	161	170	81					
54/ 53		.7	1.2	1.1	1.1	1.1	.7	.2	.1									151	151	176	104					
52/ 51	.0	.7	1.2	1.1	1.4	.8	.4	.1										140	140	171	116					
50/ 49	.2	.7	1.1	1.5	1.1	.9	.5	.1										153	153	192	130					
48/ 47	.0	1.0	1.1	1.1	.9	.8	.4											132	132	210	131					
46/ 45	.1	1.1	.8	.8	.7	.7	.1											104	104	204	160					
44/ 43	.2	1.2	.7	1.2	.9	.4	.1											113	113	178	150					
42/ 41	.1	.6	.8	.7	.9	.2												81	81	152	174					
40/ 39	.0	.7	.6	.7	.4	.1												61	61	115	166					
38/ 37	.0	.9	.4	.4	.2	.0												47	47	127	138					
36/ 35	.2	.4	.3	.3	.0													30	30	99	161					
34/ 33	.0	.2	.2	.2														17	17	53	135					
32/ 31			.2	.1														9	9	32	112					
30/ 29			.3															7	7	20	105					
28/ 27	.0	.0	.0															3	3	10	69					
26/ 25																				9	84					
24/ 23																				1	52					
22/ 21																					51					
20/ 19																					38					
18/ 17																					29					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																				
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb																										
Wet Bulb																										
Dew Point																										

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

13947 STATION FOPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-50,56-72 YEARS API MO. Y.

PAGE 2 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
16/ 15																						13			
14/ 13																						10			
12/ 11																						1			
10/ 9																						2			
4/ 3																						3			
TOTAL	1.0	10.9	13.2	16.2	16.9	14.8	11.0	7.2	4.8	2.2	1.2	.4	.1							2454	2451				
																		2451			2451				
Element (X)					$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.					9233135	143319	58.5	18.656	2451	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	90								
Dry Bulb					8207800	139342	56.8	10.980	2454		.7	18.5	7.6	1.1		90									
Wet Bulb					6050464	119766	48.9	8.994	2451		2.6	1.1			90										
Dew Point					4425499	100401	41.0	11.298	2451		20.9	.1			90										

USAFETAC FORM 0-26-5 (OL.A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-50,56-72 YEARS AP? MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
90/ 89												.0	.0																			3	4				
88/ 87													.1	.4	.0	.2	.0	.1														19	20				
86/ 85												.0	.0	.3	.3	.2	.2	.2														29	30				
84/ 83											.0	.2	.3	.3	.3	.4	.2	.1														47	43				
82/ 81											.1	.3	.2	.2	.3	.6	.3	.2	.2													57	53				
80/ 79										.1	.5	.3	.6	.7	.5	.4	.4	.0														82	82				
78/ 77						.1	.3	1.0	.0	.8	.7	.7	.3	.2	.1																	118	118				
76/ 75				.0	.2	.7	.4	.7	.6	.7	.4	.7	.1																			108	108				
74/ 73				.1	.2	.5	.5	.6	.9	1.0	.7	.1	.1																			119	119				
72/ 71				.2	.1	.2	.9	.6	1.1	.4	.5	.2																				105	105	2			
70/ 69			.1	.3	.7	.7	.9	1.0	1.0	1.0	.7																					153	153	24			
68/ 67			.2	.3	.6	.8	1.0	.9	.9	.7	.2	.1																				142	142	67			
66/ 65		.0	.5	.7	.5	.7	.9	.9	1.1	.4	.3	.0																				150	150	83			
64/ 63		.1	.5	.5	.8	.5	1.1	.9	.9	.4	.1																					135	135	98			
62/ 61		.2	.3	.3	.7	.7	.8	1.1	.7	.5	.2																						121	121	146		
60/ 59		.2	.2	.7	.7	.7	.9	1.3	1.0	.5	.2																						139	139	174		
58/ 57	.0	.3	.7	.2	.8	1.0	1.2	.9	.2	.0																							132	132	161		
56/ 55	.0	.5	.6	.5	.2	.9	1.1	.0	.2																								121	121	201		
54/ 53		.5	1.0	.7	.9	.9	.9	.7																									138	138	185		
52/ 51	.0	.4	.6	.3	.8	.8	.5	.1																									88	88	194		
50/ 49	.0	.5	.9	.6	.6	.4	.4	.3																									93	93	194		
48/ 47	.2	.9	.7	.7	.5	.4	.5																										94	94	177		
46/ 45	.1	.6	.5	.4	.8	.5	.2																										77	77	180		
44/ 43	.9	.6	.5	.5	.2	.4	.0																										62	62	150		
42/ 41	.0	.3	.5	.2	.2	.4	.0																										34	34	126		
40/ 39	.1	.4	.4	.0	.3	.1																											33	33	84		
38/ 37	.0	.7	.0	.2	.1																												25	25	79		
36/ 35		.5	.0	.1																													15	15	61		
34/ 33		.1	.0	.0																													5	5	27		
32/ 31		.1		.2																													7	7	18		
30/ 29																																		7	7	95	
28/ 27	.0																																1	1	5		
26/ 25																																			1	1	66
24/ 23																																				43	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-30, 56-72 YEARS

APR MONTH

PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					47
20/ 19																					40
18/ 17																					28
16/ 15																					26
14/ 13																					13
12/ 11																					3
10/ 9																					4
8/ 7																					2
6/ 5																					1
TOTAL	7	7.1	8.4	7.6	10.3	11.7	14.4	11.7	9.5	7.5	5.8	2.8	1.5	.7	.1			2447		2444	
																	2444		2444		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6934822	120396	49.32	12.27	2444							
Dry Bulb	9935325	153087	62.61	12.09	2447		3	35.9	21.2	7.0		90
Wet Bulb	6672563	125871	51.5	8.81	2444		1.1	3.4				90
Dew Point	4439365	100287	41.01	11.52	2444		20.2					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19947 EPT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

APR  
 MONTH

PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
94/ 93													.0					1	1				
92/ 91												.0	.0				.1	4	5				
90/ 89									.1	.1	.1	.0	.1	.1	.0			15	15				
88/ 87									.1	.2	.3	.2	.3	.1				27	27				
86/ 85								.1	.0	.3	.4	.1	.3	.0				25	22				
84/ 83						.0	.2	.3	.2	.8	.4	.2	.3	.0				56	56				
82/ 81			.0	.0	.0	.2	.4	.3	.8	.3	.3	.6	.0	.1				75	75				
80/ 79			.0	.0	.1	.2	.3	.7	1.0	.4	.5	.4	.0	.1				91	81				
78/ 77			.0	.0	.2	.6	.3	.3	.4	.6	.4	.4						79	79				
76/ 75			.0	.3	.3	.5	.8	.7	.7	.8	.8	.1						119	119	1			
74/ 73		.0	.1	.3	.3	.5	.9	1.3	.5	.6	.3	.1						117	117	1	1		
72/ 71			.0	.4	.7	1.0	.6	1.5	.6	.6	.4							141	141	5	1		
70/ 69		.0	.4	.2	1.0	1.1	1.1	1.5	1.4	.7								178	178	25			
68/ 67		.2	.6	.5	.4	1.1	.7	1.3	.5	.4	.2	.0						140	140	55	3		
66/ 65	.0	.5	.3	.5	.5	.4	.3	1.4	.4	.4								128	128	75	8		
64/ 63	.1	.4	.5	.3	.4	1.0	1.5	1.1	.4	.2								140	140	114	20		
62/ 61	.1	.3	.3	.5	.7	.0	1.3	1.3	.4									134	134	158	41		
60/ 59	.0	.2	.4	.7	1.0	.9	.9	.5	.3									136	136	159	70		
58/ 57	.3	.5	.6	.4	.3	.8	1.2	1.1	.3									125	125	202	51		
56/ 55	.2	.2	.2	.6	.4	.7	.7	.8	.3									97	97	179	108		
54/ 53	.0	.3	.7	.7	.8	.5	.5	.4										98	98	191	114		
52/ 51	.1	.6	.6	.2	.6	.7	.5	.3										101	101	194	124		
50/ 49	.7	.5	.5	.4	.5	.7	.2											82	82	218	120		
48/ 47	.6	.4	.5	.3	.4	.4	.2											66	66	159	133		
46/ 45	.2	.6	.9	.8	.5	.3	.0											78	78	188	151		
44/ 43	.1	.8	.3	.3	.2	.0												36	36	126	131		
42/ 41	.0	.2	.4	.2	.3													27	27	106	163		
40/ 39	.0	.6	.5	.0	.3	.1												38	38	78	157		
38/ 37	.3	.1	.1	.1														15	15	74	153		
36/ 35	.1	.3	.1															13	13	43	162		
34/ 33	.2																	4	4	18	128		
32/ 31			.1															2	2	13	113		
30/ 29			.0															1	1	5	107		
28/ 27	.1	.0																3	3	3	78		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 04 JUL 64 0-26-5 (OL A) RE-USE PREVIOUS EDITIONS OF THIS FORM ARE PROHIBITED

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1967 STATION: FORT RILEY KANSAS/MARSHALL AAF STATION NAME: 39-45.47-50.56-72 YEARS: APR MONTH: 1500-1700 HOURS (L. S. T.)

PAGE 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
26/ 25																					3	67	
24/ 23																						30	
22/ 21																						52	
20/ 19																						41	
18/ 17																						35	
16/ 15																						19	
14/ 13																						10	
12/ 11																						1	
8/ 7																						3	
4/ 3																						1	
TOTAL	.9	6.1	7.0	8.4	8.2	9.6	12.5	12.7	12.6	7.7	6.2	4.3	2.3	1.0	.5	.0	.1	2396	2397		2396	2396	

Element (X)	Σx²	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6345817	113011	47.22	20.591	2396							
Dry Bulb	10151801	153255	63.91	12.142	2397		.2	40.3	23.1	9.4	.0	90
Wet Bulb	6671023	124749	52.1	8.570	2396		.9	3.4	.1			90
Dew Point	4225584	98100	40.91	1.351	2396		20.9	.2	.0			90

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 48-50, 57-72

APR  
 MONTH

PAGE 1 1800-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87									.0									1	2		
86/ 85									.1	.0								7	7		
84/ 83								.1	.1	.1	.1	.0						11	12		
82/ 81								.2	.2	.1	.2	.1						19	20		
80/ 79						.1	.2	.3	.6	.1	.3	.0	.0					42	42		
78/ 77						.1	.2	.4	.5	.3	.3	.1	.0	.0				47	47		
76/ 75					.1	.3	.3	.3	.5	.3	.4	.2						60	60		
74/ 73				.1	.5	.4	.4	.5	.2	.3	.3	.1	.0					67	67		
72/ 71				.3	.6	.4	.5	.0	.6	.4	.3	.1						85	85		
70/ 69			.1	.2	.6	1.0	.7	.9	.9	.4	.3	.0						115	116	2	
68/ 67			.2	.5	.9	.7	.7	.7	.9	.5								119	119	23	
66/ 65		.2	.6	.7	.7	1.2	.8	1.0	.6	.3	.1							142	142	46	3
64/ 63		.4	.6	.6	.5	1.0	.9	1.7	.7	.2								152	152	77	18
62/ 61	.0	.3	.6	.7	.6	.9	1.3	1.0	.6	.2								144	144	118	44
60/ 59		.3	.5	1.1	.7	1.1	1.4	.7	.2	.2								142	142	131	46
58/ 57		.7	.9	.7	1.3	1.3	1.2	.8	.3									168	168	128	53
56/ 55	.3	.6	1.0	1.0	1.1	.8	1.0	.4	.1									144	144	174	107
54/ 53	.0	.3	.6	.9	1.1	1.4	1.0	.3										132	132	180	102
52/ 51	.0	.6	.9	1.3	1.0	1.0	.5	.2										126	126	166	116
50/ 49	.1	.9	.8	1.1	.7	.6	.7	.1										113	113	214	108
48/ 47	.1	1.0	.9	.8	1.2	.7	.5											118	118	206	125
46/ 45	.1	.7	.9	.9	.6	.3	.2	.0										86	86	168	132
44/ 43	.1	.5	1.0	.5	.3	.3	.1											64	64	176	156
42/ 41	.0	.5	.9	.6	.5	.1												61	61	119	121
40/ 39	.2	.5	.5	.4	.2	.0												42	42	110	180
38/ 37	.1	.6	.4	.2	.3	.0												38	38	103	160
36/ 35	.1	.2	.2	.2	.1													17	17	58	170
34/ 33		.2	.1	.2														11	11	40	113
32/ 31		.1		.1														5	5	18	130
30/ 29				.1														2	2	17	106
28/ 27		.1	.0															4	4	7	68
26/ 25			.0															1	1	3	54
24/ 23																				2	32
22/ 21																					34
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 EPT RILEY KANSAS/MARSHALL AAF 30-45,48-50,57-72  
STATION STATION NAME YEARS

APR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	U.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
20/ 19																				35	
18/ 17																				36	
16/ 15																				16	
14/ 13																				16	
12/ 11																				2	
8/ 7																				1	
6/ 5																				1	
4/ 3																				1	
TOTAL	1.3	8.7	11.8	13.3	13.5	13.8	12.7	9.8	6.9	4.3	2.2	1.2	.4	.1	.0		2286	2286	2286		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	7761649	125383	54.819	4.77	2286	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	8163046	134328	58.711	4.65	2289		.5	22.7	10.1	2.4		90									
Wet Bulb	5796156	113444	49.618	4.53	2286		1.9	1.0				90									
Dew Point	4061630	92994	40.711	4.04	2286		20.9					90									

USAF/ETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,48-50,57-72 YEARS APP MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
80/ 79							.0		.1	.1							5	5		
78/ 77							.1	.1	.1	.0	.0						10	11		
76/ 75			.0			.1	.3	.2	.2	.1							22	23		
74/ 73					.1	.2	.2	.2	.3	.1	.0						27	27		
72/ 71				.5	.2	.4	.7	.1	.2	.1	.1						50	50	1	
70/ 69			.1	.6	.1	.6	.4	.2	.3	.0							52	52	1	
68/ 67			.3	.4	.6	.5	.3	.2	.3	.1	.1						62	62	6	
66/ 65		.2	.6	.5	.6	.7	.4	.7	.1								86	86	3	
64/ 63		.3	.5	.8	.8	.8	.5	.5	.1	.0							101	101	14	
62/ 61	.1	.6	1.2	.4	.4	1.0	.3	.1	.1								113	113	32	
60/ 59	.0	.6	.9	1.0	.5	1.0	.7	.1	.1	.1							114	114	40	
58/ 57	.0	1.0	1.3	1.2	1.1	1.1	.7	.2									151	151	55	
56/ 55		1.0	1.4	1.8	1.2	1.3	.6	.1									166	166	88	
54/ 53	.3	1.0	1.4	1.0	1.5	.9	.4	.2									149	149	83	
52/ 51		1.2	1.6	1.8	.7	.2											146	146	94	
50/ 49	.1	1.4	1.5	2.2	1.5	.6	.3										173	173	128	
48/ 47	.0	1.0	2.1	1.7	1.1	.3	.1										142	142	130	
46/ 45	.3	1.0	1.8	1.5	1.0	.3											149	149	141	
44/ 43		1.3	2.4	1.5	.4	.4											132	132	132	
42/ 41	.0	1.0	1.8	1.2	.6	.3											112	112	154	
40/ 39	.2	1.1	1.8	.8	.7												103	103	169	
38/ 37	.4	.9	.6	.6	.2	.0											62	62	175	
36/ 35	.1	.8	.8	.8	.1												61	61	182	
34/ 33	.2	.4	.3	.4	.0												30	30	129	
32/ 31		.4	.6	.2													26	26	133	
30/ 29	.0	.3	.4														17	17	99	
28/ 27		.1	.2														7	7	66	
26/ 25		.0															1	1	44	
24/ 23		.0	.0														2	2	49	
22/ 21																		2	2	39
20/ 19																				37
18/ 17																				27
16/ 15																				17
14/ 13																				6
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FUPT RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 57-72  
STATION STATION NAME YEARS

APR  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
12/ 11																						3	
8/ 7																						1	
TOTAL	1.7	16.1	23.8	20.6	13.5	11.0	6.8	3.2	1.6	.8	.4										2271		
																		2271				2271	
Element (X)	Σ X'		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.	16532475		149489		65.817454		2271		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb	6907424		119218		52.410543		2274				2.1		3.1		2.7						90		
Wet Bulb	5081228		105490		46.58932		2271				5.5		.3								90		
Dew Point	3943370		91538		40.310572		2271				20.6		.0								90		

USA/ETAC FORM 781 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,48-50,57-71 MAY  
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
82/ 81							.1				.0																						3	3				
80/ 79						.1	.1		.0																									6	6			
78/ 77			.0	.4	.3	.1	.1																											21	21			
76/ 75			.3	.5	.4	.6	.2		.1	.1	.0																							91	51			
74/ 73		.1	.6	1.4	.8	.6	.4	.2																										100	100	1		
72/ 71		.2	1.0	1.2	1.4	.7	.4	.0	.0																									114	114	33	2	
70/ 69		.6	1.0	.7	.4	.7	.3	.3																										112	112	44	25	
68/ 67		1.2	1.2	1.1	.7	.6	.3	.4																										127	127	88	49	
66/ 65		1.7	2.7	1.4	.9	.4	.4	.1																										173	174	141	81	
64/ 63	.1	2.3	1.6	1.2	.7	.4	.2																											151	151	136	111	
62/ 61	.4	2.5	1.2	1.1	.7	.5	.1																											149	149	198	144	
60/ 59	.6	3.2	1.7	1.3	.8	.5	.1																											199	199	190	188	
58/ 57	.3	2.4	2.1	.7	.4	.3	.1																											144	144	175	155	
56/ 55	.2	2.9	1.8	1.5	.9	.4																												175	175	194	154	
54/ 53	.2	2.9	1.8	1.1	.6	.1	.0																											156	156	190	174	
52/ 51	.2	2.9	1.6	.7	.5	.1																												138	138	168	181	
50/ 49	.2	2.5	1.7	1.0	.3	.1																												131	131	163	183	
48/ 47	.3	1.7	.8	.7	.1	.0																												83	83	139	143	
46/ 45	.1	1.7	.5	.6	.0																													66	66	114	143	
44/ 43	.3	1.4	.7	.2																														57	57	98	111	
42/ 41	.2	.9	.6	.2																														43	43	61	126	
40/ 39	.2	.7	.3	.1																														28	28	59	78	
38/ 37	.2	.7	.1	.0																														26	26	40	68	
36/ 35	.0	.3	.1	.1																														11	11	19	72	
34/ 33	.1	.1	.0																															4	4	10	35	
32/ 31		.0	.1																															4	4	5	14	
30/ 29																																					4	15
28/ 27																																				2	7	
26/ 25																																					6	
22/ 21																																					3	
TOTAL	3.6	33.1	24.3	17.8	10.2	6.6	2.8	1.3	.1	.2	.0																							2272	2273	2272	2271	
Element (X)	Zx <sup>2</sup>	Zx	X	n	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel Hum.	14219708	176758	77.8	4.269	2271	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	8100610	133944	58.9	9.557	2273		.2	21.8	7.4	.2		93																										
Wet Bulb	6961757	124265	54.7	8.529	2272		.5	6.8	.0			93																										
Dew Point	6221684	116986	51.5	9.278	2271		1.8	3.2				93																										

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FT. RILEY KANSAS/MARSHALL AAF 39-45, 48-50, 57-72

MAY  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
80/ 79						.0																											1	1			
78/ 77				.0	.2	.0	.0																										7	7			
76/ 75			.1	.4	.2	.1	.1																										21	21			
74/ 72		.1	.3	.5	.2	.0	.2	.1																									31	31			
72/ 71		.1	1.4	.7	1.2	.3	.5																											92	92	11	
70/ 69		.7	1.8	1.5	.7	.5	.1	.0																										121	121	40	
68/ 67		.3	1.7	.9	1.0	.5	.0	.0																										111	111	62	
66/ 65	.1	1.7	1.8	1.3	.6	.4	.2	.0																										143	143	102	
64/ 63	.2	3.1	1.7	1.0	.6	.5	.2	.0																										167	167	136	
62/ 61	.2	3.0	1.7	.8	.5	.3	.2	.0																										164	165	185	
60/ 59	.5	3.9	1.4	1.8	.6	.3	.1																											198	199	204	
58/ 57	.6	3.0	2.1	1.0	.6	.2	.1	.0																										175	176	179	
56/ 55	.5	2.6	1.6	.7	.5	.2																												139	140	170	
54/ 53	.2	3.0	1.5	.8	.4	.1																												139	139	175	
52/ 51	.6	3.2	1.7	.6	.6	.2																												162	162	179	
50/ 49	.8	3.0	1.4	.9	.4	.0																												151	151	158	
48/ 47	.3	2.4	1.6	.8	.2	.1																												125	125	146	
46/ 45	.8	1.6	.7	.2	.2																													85	85	140	
44/ 43	.6	1.6	1.2	.3	.0																													85	87	131	
42/ 41	.3	1.0	.7	.0	.0																													48	48	79	
40/ 39	.4	1.2	.6	.0	.0																													51	51	64	
38/ 37	.3	1.1	.3																															40	40	57	
36/ 35	.3	.7	.1																															26	26	46	
34/ 33	.2	.3	.1																															15	15	24	
32/ 31		.1																																2	2	7	
30/ 29		.1																																2	2	4	
28/ 27		.1																																2	2	4	
26/ 25																																					
24/ 23																																					
22/ 21																																					
18/ 17																																					
TOTAL	7.3	38.5	25.7	14.1	8.9	3.7	1.3	.4	.1																									2303	2303	2303	
Element (X)	Σx <sup>2</sup>		Σx		Σ		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.	15548713		186703		81.1		13.391		2303		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
Dry Bulb	7617309		130769		56.6		7.568		2303			.2	15.5	2.4	.0	93																					
Wet Bulb	6698655		122539		53.2		8.807		2303			.6	4.6			93																					
Dew Point	6081858		116306		50.5		9.505		2303			3.0	2.5			43																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-50,56-72

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91											.0							1	1		
82/ 81											.0							1	1		
80/ 79					.1	.2	.0	.0		.0								11	11		
78/ 77				.3	.3	.2	.2		.0	.0								27	27		
76/ 75			.1	.8	.7	.5	.2	.1	.0	.0								67	62		
74/ 73		.1	.8	1.5	1.1	.3	.3	.2	.1									109	109	1	
72/ 71	.0	.2	1.0	1.6	1.1	.6	.2	.1	.2									125	125	30	3
70/ 69		.3	1.5	1.9	.8	.5	.3	.1	.0									136	136	68	28
68/ 67		.8	1.9	1.3	.8	.7	.1	.3	.0									149	149	98	49
66/ 65		1.3	1.8	1.6	.7	.6	.3	.0										157	157	154	98
64/ 63	.2	2.1	1.7	1.4	1.1	.6	.4	.0										185	186	178	120
62/ 61	.3	2.3	1.7	1.2	1.3	.5	.0	.0										180	180	174	186
60/ 59	.5	3.4	2.2	1.5	.9	.6	.2											230	230	219	178
58/ 57	.2	2.5	2.0	1.5	.6	.2	.2											181	181	208	189
56/ 55	.3	2.0	1.6	1.4	.7	.4	.0											159	159	201	175
54/ 53	.0	2.0	1.6	1.2	.6	.3												147	148	189	164
52/ 51	.5	2.5	1.9	1.1	.6	.2												168	170	193	189
50/ 49	.2	2.3	1.4	.8	.2	.0												122	122	180	202
48/ 47	.1	1.5	1.3	1.0	.1													97	97	148	144
46/ 45	.1	1.4	.8	.5	.1													72	72	130	160
44/ 43	.2	1.0	.8	.3	.0													59	60	109	144
42/ 41	.1	.5	.4	.1	.1													31	31	67	112
40/ 39	.2	.5	.4	.0	.1													28	28	49	96
38/ 37	.1	.5	.2	.0	.0													20	20	34	73
36/ 35		.2	.1	.0														9	9	21	64
34/ 33	.1	.1																5	5	14	43
32/ 31			.0															1	1	4	21
30/ 29		.1																2	2	4	16
28/ 27																				1	4
26/ 25																					6
22/ 21																					3
20/ 19																					1
18/ 17																					2
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72

MAY  
 MONTH

PAGE 1 0906-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
92/ 91															.0			1	1			
90/ 89								.0	.0						.0			3	3			
88/ 87							.0	.0	.1	.1		.2	.1	.0				14	14			
86/ 85						.1	.3	.4	.3	.3	.0	.1	.1	.0				41	41			
84/ 83					.0	.3	.7	1.0	.4	.2	.1	.1	.0					73	73			
82/ 81				.1	.5	.9	1.3	1.0	.2	.4	.0	.2						105	105			
80/ 79			.0	.1	.7	2.0	1.8	.0	.6	.2	.4	.0						159	159			
78/ 77			.2	.4	1.2	1.8	1.2	.0	.5	.2	.2	.0						160	160			
76/ 75			.1	1.0	1.6	1.5	1.1	.8	.5	.6	.1							183	183	12		
74/ 73	.0		.4	1.1	1.1	.9	1.4	.0	.4	.5	.1							163	163	48	7	
72/ 71		.1	.4	1.1	1.2	.9	1.0	1.2	.6	.2	.1	.0						172	172	91	18	
70/ 69		.0	.9	1.3	1.1	1.0	1.4	.7	.5	.1	.0							176	176	204	43	
68/ 67		.4	1.0	.9	1.1	1.0	1.3	.7	.2	.1								165	165	203	96	
66/ 65		.5	.8	1.2	1.3	1.2	1.0	.7	.2	.0								176	176	195	141	
64/ 63	.1	.8	1.2	.8	.9	1.2	.5	.5	.1									160	160	195	193	
62/ 61		.8	.8	1.0	.9	.7	.7	.3										133	133	201	212	
60/ 59	.0	1.2	.8	.8	1.1	1.2	.5	.2										146	146	198	152	
58/ 57	.1	.6	.5	1.0	.6	.8	.7	.2										114	114	232	164	
56/ 55		.9	1.0	.5	.4	.6	.1	.1										88	88	193	172	
54/ 53	.0	.8	.8	.3	.6	.6	.0											77	77	162	155	
52/ 51	.1	.6	.6	.3	.4	.2	.1											62	62	158	149	
50/ 49		.6	.5	.2	.4	.0	.0											44	44	122	174	
48/ 47		.6	.4	.1	.2	.1												37	37	92	143	
46/ 45	.1	.3	.1	.2	.0	.1												20	20	66	159	
44/ 43	.0	.1	.2	.1	.1	.1												14	14	43	107	
42/ 41		.1	.1	.0														5	5	25	91	
40/ 39		.1	.0	.0														5	5	19	101	
38/ 37																			10	10	52	
36/ 35																			6	6	67	
34/ 33																			1	1	31	
32/ 31																					33	
30/ 29																					14	
28/ 27																					5	
26/ 25																					3	
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_X$	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-50, 56-72 YEARS MAY MONTH

PAGE 2 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
24/ 23																					5
22/ 21																					8
20/ 19																					1
TOTAL	.0	8.0	10.8	12.7	15.5	17.0	19.5	9.0	4.7	2.8	1.1	.7	.2	.1	.0			2496		2496	
																	2496		2496		
Element (X)	Σx²	Σx	̄x	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	10642564	152650	61.2	10.823	2496	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	11744872	159422	67.9	9.900	2496			52.7	33.6	11.8		93									
Wet Bulb	8799648	147636	59.1	8.184	2496			20.8	2.2			93									
Dew Point	7255044	132208	53.0	10.053	2496		2.6	5.1	.3			93									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72 MAY  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point															
98/ 97																							.0	.0				2	2						
96/ 95																						.0	.0					5	5						
94/ 93																					.2	.1						14	14						
92/ 91																				.2	.3	.1	.1					29	29						
90/ 89																				.4	.4	.4	.6	.4	.1	.2	.1	.0	64	64					
88/ 87																				.4	.4	.4	.6	.4	.1	.2	.1	.0	103	103					
86/ 85						.0	.0	.2	.7	1.5	1.2	.6	.8						.9	.9	.9	.9	.3	.2	.2	.1		137	137						
84/ 83				.0		.1	.5	1.0	1.5	1.0	1.1	.3	.2	.2	.1				.9	.9	.9	.9	.3	.2	.2	.1		147	147						
82/ 81				.1	.1	.3	.8	1.8	1.3	.9	.8	.6	.3	.3	.0				.8	.8	.8	.8	.6	.3	.3	.0		180	180						
80/ 79				.0	.2	1.0	1.2	1.7	1.2	.8	.9	.6	.3	.1	.0				.9	.9	.9	.9	.6	.3	.1	.0		201	201	2					
78/ 77				.4	.8	.9	.7	.8	1.0	.6	.5	.4							.8	.8	.8	.8	.6	.3	.3	.0		154	154	14	2				
76/ 75				.1	.4	1.0	1.0	1.0	.9	1.3	.7	.2	.2	.0					.9	.9	.9	.9	.7	.4	.2	.0		175	175	36	4				
74/ 73				.2	.5	1.0	1.4	.8	.9	.9	.6	.3	.0						.9	.9	.9	.9	.7	.4	.2	.0		166	166	88	9				
72/ 71				.3	.7	.7	.9	.8	.9	.7	.4	.2	.0						.9	.9	.9	.9	.7	.4	.2	.0		143	143	160	26				
70/ 69				.1	.3	.4	.9	.7	.9	.8	.9	.3	.2	.0					.9	.9	.9	.9	.7	.4	.2	.0		140	140	237	59				
68/ 67				.2	.6	.6	.6	.4	.8	1.0	.8	.2	.0						.9	.9	.9	.9	.7	.4	.2	.0		139	139	228	99				
66/ 65				.4	.6	.6	.5	.7	.9	1.1	.3								.9	.9	.9	.9	.7	.4	.2	.0		123	123	223	151				
64/ 63				.5	.6	.5	.5	.9	.7	.7	.2								.9	.9	.9	.9	.7	.4	.2	.0		112	112	181	202				
62/ 61				.2	.6	.4	.6	.4	.5	.5	.2								.9	.9	.9	.9	.7	.4	.2	.0		86	86	211	167				
60/ 59				.3	.4	.2	.5	.3	.6	.5	.2								.9	.9	.9	.9	.7	.4	.2	.0		77	77	197	175				
58/ 57				.7	.5	.4	.2	.8	.4	.1									.9	.9	.9	.9	.7	.4	.2	.0		73	73	174	165				
56/ 55				.3	.5	.2	.4	.3	.1	.1									.9	.9	.9	.9	.7	.4	.2	.0		48	48	157	191				
54/ 53				.5	.7	.4	.3	.3	.1										.9	.9	.9	.9	.7	.4	.2	.0		58	58	160	109				
52/ 51				.4	.3	.2			.0										.9	.9	.9	.9	.7	.4	.2	.0		24	24	125	130				
50/ 49				.4	.3	.2	.1	.0	.0										.9	.9	.9	.9	.7	.4	.2	.0		20	20	95	146				
48/ 47				.1	.4	.1	.2												.9	.9	.9	.9	.7	.4	.2	.0		21	21	88	156				
46/ 45				.0	.1	.0	.1												.9	.9	.9	.9	.7	.4	.2	.0		7	7	52	131				
44/ 43				.2	.1	.0	.1												.9	.9	.9	.9	.7	.4	.2	.0		11	11	21	100				
42/ 41				.0															.9	.9	.9	.9	.7	.4	.2	.0		1	1	19	87				
40/ 39				.1															.9	.9	.9	.9	.7	.4	.2	.0		2	2	8	112				
38/ 37																			.9	.9	.9	.9	.7	.4	.2	.0				2	62				
36/ 35																			.9	.9	.9	.9	.7	.4	.2	.0				2	63				
34/ 33																			.9	.9	.9	.9	.7	.4	.2	.0					49				
32/ 31																			.9	.9	.9	.9	.7	.4	.2	.0					20				
Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-30, 56-72

MAY  
 MONTH

PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
30/ 29																						13
28/ 27																						8
26/ 25																						13
24/ 23																						1
22/ 21																						
TOTAL	2	5.0	6.5	6.8	9.0	12.0	13.9	14.8	12.0	7.0	5.4	2.5	1.5	.8	.6	.2	.1		2480		2480	
																		2480		2480		

Element (X)	Σx'	Σx	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7684846	130840	52.8	17.761	2480							
Dry Bulb	13481796	180918	73.0	10.697	2480			67.5	51.6	29.5	.8	93
Wet Bulb	9442670	151692	61.2	8.140	2480			28.7	5.2	.1		93
Dew Point	7273184	131750	53.1	10.513	2480		2.6	7.5	.5			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-50, 56-72 MAY  
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																					
100/ 99																																.0	1	1							
98/ 97																																	.0	1	1						
96/ 95																																	.0	7	7						
94/ 93																																	.0	17	17						
92/ 91																																		.0	45	45					
90/ 89																																		.0	84	84					
88/ 87																																			.0	137	137				
86/ 85																																			.0	127	127				
84/ 83																																				.0	167	167			
82/ 81																																					.0	151	151	2	
80/ 79																																					.0	201	201	1 3	
78/ 77																																					.0	154	154	9	
76/ 75																																						.0	171	171	55 3
74/ 73																																						.0	130	130	99 10
72/ 71																																						.0	150	150	152 28
70/ 69																																						.0	156	156	181 62
68/ 67																																						.0	140	140	260 87
66/ 65																																						.0	118	118	214 165
64/ 63																																						.0	106	106	197 155
62/ 61																																						.0	84	84	228 165
60/ 59																																						.0	64	64	205 178
58/ 57																																						.0	72	72	170 169
56/ 55																																						.0	60	60	168 162
54/ 53																																						.0	42	42	150 150
52/ 51																																						.0	14	14	104 148
50/ 49																																						.0	16	16	94 159
48/ 47																																						.0	7	7	70 144
46/ 45																																						.0	13	13	30 117
44/ 43																																						.0	3	3	22 113
42/ 41																																						.0	5	5	13 76
40/ 39																																						.0	1	1	3 87
38/ 37																																						.0			1 72
36/ 35																																						.0			1 65
34/ 33																																						.0			1 45
Element (X)	Σx²		Σx		x̄		σx		No. Obs.		Mean No. of Hours with Temperature										Total																				
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F																				
Dry Bulb																																									
Wet Bulb																																									
Dew Point																																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-50, 56-72 YEARS

MAY MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
32/ 31																					30			
30/ 29																					10			
28/ 27																					10			
26/ 25																					12			
24/ 23																					3			
<b>TOTAL</b>	5.5	6.7	6.0	6.2	9.7	9.7	10.7	12.5	12.8	9.9	6.7	4.0	1.9	.7	.7	.4	.1		2430		2430			
																		2430			2430			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	7197532	124632	51.318	208	2430	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	13575324	179010	74.010	528	2430			70.4	53.3	32.6	1.0	93
Wet Bulb	9365641	149659	61.617	358	2430			29.0	6.4	.1		93
Dew Point	7130404	129204	53.210	358	2430		2.5	7.4	.6	.1		93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AFB STATION NAME 39-45,48-50,57-72 YEARS

MAY MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
92/ 91								.0	.1					.0	.0			5	5			
90/ 89								.1	.2	.0	.0	.0	.1					17	13			
88/ 87							.1	.3	.2	.3	.1	.1						23	23			
86/ 85						.1	.2	.4	.3	.6	.3	.2	.1	.1				62	62			
84/ 83			.0		.1	.5	.4	.7	.6	.4	.2	.1	.0					72	72			
82/ 81		.0	.1	.3	.5	1.1	1.1	.8	.2	.3	.2	.1	.0					114	114			
80/ 79		.0	.2	.7	.9	1.1	1.1	.5	.6	.4	.2	.1						134	134	1	1	
78/ 77		.1	.3	.9	1.8	1.5	1.0	.6	.3	.2	.3							171	171	2	1	
76/ 75		.2	.6	1.1	1.2	.9	1.2	.9	.4	.1	.0							159	159	15	1	
74/ 73		.4	1.0	1.1	1.2	1.4	.7	.6	.3	.1	.0							160	160	56	3	
72/ 71	.3	.6	1.0	1.2	.9	.9	.8	.5	.3	.0								154	154	79	20	
70/ 69	.4	.9	1.5	1.0	.9	1.0	.9	.3	.2	.0								167	167	161	51	
68/ 67	.4	1.4	1.0	1.2	.9	.9	.6	.3	.1									161	161	203	78	
66/ 65	.6	1.8	.9	1.2	.9	1.1	.6	.4										171	171	215	132	
64/ 63	.3	1.0	1.0	1.1	1.2	.9	.5	.7	.2									159	159	221	167	
62/ 61	.1	.8	.6	1.3	1.2	.8	.5	.2	.2									130	130	219	176	
60/ 59	.2	.7	1.1	.7	.7	.6	.9	.3										120	120	205	207	
58/ 57	.8	1.1	1.0	.6	.0	.3	.0											103	103	183	148	
56/ 55	.3	.9	.7	.6	.5	.4	.1	.0										75	75	190	183	
54/ 53	.6	.6	.5	.5	.1	.1												55	55	161	158	
52/ 51	.4	.3	.7	.3	.0	.1												46	46	120	163	
50/ 49	.0	.4	.3	.4	.1	.0												29	29	100	175	
48/ 47	.1	.1	.2	.1	.2	.0												19	19	92	133	
46/ 45	.1	.1	.1	.0														9	9	54	114	
44/ 43	.3		.0															8	8	26	73	
42/ 41	.2																	5	5	19	49	
40/ 39			.0															1	1	11	74	
38/ 37			.1															2	2	3	58	
36/ 35																					47	
34/ 33																				2	27	
32/ 31																				1	21	
30/ 29																					14	
28/ 27																					4	
26/ 25																					7	
Element (X)	Σx'	Σx	̄x	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 48-50, 57-72 YEARS MAY MONTH  
 PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
84/ 83						.1	.2			.0	.0							9	9																
82/ 81					.1	.2	.0		.0	.0								10	10																
80/ 79				.1	.4	.3	.3	.0	.1									39	39																
78/ 77		.0	.0	.5	1.0	.5	.7	.3	.2	.2								79	79	1	1														
76/ 75			.4	.9	1.5	1.0	1.2	.3	.1	.0	.1							126	126																
74/ 73		.0	.7	.8	1.2	1.1	.7	.3	.3	.0								118	118	13	1														
72/ 71	.0		1.0	1.1	1.2	.9	.5	.3	.2									121	121	53	0														
70/ 69	.0	.3	1.7	1.8	1.0	1.1	.5	.5	.0									159	155	71	38														
68/ 67	.0	1.2	2.1	1.4	1.5	.6	.5	.5	.0									181	181	126	62														
66/ 65	.0	1.1	2.0	1.0	1.2	.6	.5	.1	.0									169	169	176	106														
64/ 63	.0	1.7	1.7	1.5	1.0	.5	.1	.1										153	153	219	142														
62/ 61	.3	1.8	1.1	1.7	.6	.5	.3	.2										144	146	198	170														
60/ 59	.4	2.3	2.2	1.8	1.1	.3	.3											194	194	197	208														
58/ 57	.3	1.8	2.2	1.7	.7	.7	.2											172	173	193	163														
56/ 55	.1	2.0	1.9	1.0	.8	.5	.0											148	148	208	179														
54/ 53		1.8	1.6	.7	.5	.3	.1											113	113	175	178														
52/ 51	.0	1.5	1.5	.9	.4													101	101	166	190														
50/ 49	.2	1.0	1.4	.8	.3	.2												87	87	113	154														
48/ 47	.1	.6	.9	.7	.0													52	52	118	137														
46/ 45	.1	.5	.5	.3	.1	.0												37	37	95	122														
44/ 43	.0	.7	.7	.1	.0													39	39	65	102														
42/ 41	.1	.5	.1	.1	.0													20	20	49	84														
40/ 39	.0	.1	.1	.0														7	7	27	78														
38/ 37		.0	.0															2	2	13	65														
36/ 35	.0		.1															4	4	5	49														
34/ 33			.0															1	1	6	19														
32/ 31																					12														
30/ 29																				1	11														
28/ 27																					3														
26/ 25																					3														
24/ 23																					4														
22/ 21																					1														
TOTAL	2.0	19.2	25.0	19.2	14.8	9.2	6.2	2.9	.9	.4	.1	.1						2287	2288	2288	2288														
Element (X)	Σ X <sup>2</sup>		Σ X		X̄	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.	12605982		166302		72.7	15.056	2288		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	9154282		143142		62.6	9.329	2288				34.2	15.5	1.4		93																				
Wet Bulb	7586928		130460		57.0	8.050	2288				.0	10.7	.6		93																				
Dew Point	6522524		121324		53.0	9.093	2288				1.4	4.4	.1		93																				

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,48-49,57-71 YEARS JUN MONTH  
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb
90/ 89										.0								1	1	
88/ 87									.1	.0								3	3	
86/ 85								.0	.1	.1								4	6	
84/ 83					.1	.1		.1	.2	.1								14	14	
82/ 81			.0	.3	.5	.3	.6	.0	.0	.0								40	40	
80/ 79			.4	1.1	.8	.8	.4	.0	.0	.0								61	81	
78/ 77		.1	.7	2.2	1.2	.5	.1	.3										113	113	5
76/ 75		.5	2.3	2.4	2.1	.5	.1	.5	.0									179	179	25
74/ 73	.1	.7	1.6	3.4	1.6	.6	.3	.2										171	172	92
72/ 71	.1	1.4	2.3	2.3	1.8	.6	.0											180	183	159
70/ 69	.3	2.5	3.5	1.9	1.0	.2	.0											202	204	207
68/ 67	.8	3.2	3.8	2.6	.9	.2	.1											249	251	254
66/ 65	.8	4.3	3.6	1.2	.4	.1	.1											222	222	278
64/ 63	1.0	4.2	2.1	.8	.3	.0	.1											181	182	283
62/ 61	.3	3.8	1.4	.8	.2													144	144	259
60/ 59	.5	2.7	1.4	.4	.2													111	111	165
58/ 57	.5	2.5	1.1	.2	.2													93	93	125
56/ 55	.2	1.3	.8	.2	.0													55	55	109
54/ 53	.1	.9	.6	.2	.0													41	41	64
52/ 51	.2	.7	.2	.1														26	26	50
50/ 49	.0	.0	.1	.0														5	5	29
48/ 47		.2																5	5	12
46/ 45	.1	.1																5	5	10
44/ 43		.0																1	1	3
42/ 41																				1
40/ 39																				4
TOTAL	5.2	29.4	25.9	20.4	10.6	4.2	2.1	1.5	.2	.3	.0							2130	2139	2130
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	14197891	171953	80.7	12.188	2130	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	9977894	145254	67.9	7.304	2130			52.5	25.6	4.4		90								
Wet Bulb	8732024	135768	63.7	6.055	2130			31.4	5.2			90								
Dew Point	8116320	130782	61.4	6.367	2130			19.3	1.5			90								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 48-49, 57-72 JUN  
STATION STATION NAME YEARS MONTH  
PAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
90/ 89													.0						1	1															
86/ 85										.1									2	2															
84/ 83						.1		.1											6	6															
82/ 81			.0	.0	.2	.0	.2	.0	.0	.1									17	17															
80/ 79				.5	.7	.3	.2		.1										39	39															
78/ 77			.5	.9	.6	.1	.2	.1	.0										53	53	1														
76/ 75		.5	2.3	1.7	1.0	.4	.1	.1											131	131	1	1													
74/ 73		.9	2.2	2.0	.6	.1	.2												141	141	57	10													
72/ 71	.1	1.3	2.2	2.7	1.2	.1	.1	.1											167	170	130	62													
70/ 69	.2	2.2	3.7	2.0	.8	.5	.1												196	196	148	120													
68/ 67	.7	4.2	3.9	2.1	.7	.1													250	251	218	155													
66/ 65	1.4	5.7	3.5	1.3	.1	.1	.0												260	263	291	251													
64/ 63	1.4	4.2	2.7	.9	.0	.1	.1												201	202	308	287													
62/ 61	.7	3.5	1.2	.5	.1	.1	.0	.0											177	177	246	254													
60/ 59	.5	3.7	1.4	.4	.1	.1	.0												140	144	212	273													
58/ 57	.7	3.2	1.4	.2	.1														120	120	136	192													
56/ 55	.3	2.1	.6	.3	.0														71	71	138	130													
54/ 53	.5	1.5	.8	.2															66	66	80	145													
52/ 51	.3	1.7	.4																56	56	70	88													
50/ 49	.3	.6	.2																23	23	55	64													
48/ 47		.0	.3																7	7	23	33													
46/ 45		.2																	4	4	7	32													
44/ 43	.0	.0																	2	2	9	17													
42/ 41	.0	.0																	2	2	2	15													
40/ 39		.1																	2	2	1	1													
38/ 37																					1	1													
36/ 35																						1													
34/ 33																						2													
TOTAL	7.1	37.9	28.0	15.7	6.1	2.5	1.6	.6	.3	.2			.0						2134	2146	2134	2134													
Element (X)	Σ x'		Σ x		X		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.	15275058		178876		83.8		11.484		2134		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb	9379551		141027		65.7		7.219		2146				42.2	16.4	1.6		90																		
Wet Bulb	8375477		133039		62.3		6.185		2134				23.4	2.5			90																		
Dew Point	7871933		128875		60.4		5.450		2134				14.7	.5			90																		

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-49,56-72 YEARS JUN MONTH  
PAGE 1 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
88/ 87								.1	.0									3	3					
86/ 85						.1	.1	.1	.1	.0								11	11					
84/ 83				.1	.4	.3	.3	.2	.1	.0								31	31					
82/ 81			.0	.3	1.2	.8	.3	.1	.0	.1								63	63					
80/ 79		.0	.2	1.0	1.5	.7	.3	.1	.0	.0								88	88	1				
78/ 77		.2	.8	2.0	1.7	.8	.3	.2	.1									140	140	7	2			
76/ 75		.3	1.1	3.0	1.6	.8	.3	.2	.0									166	166	35	8			
74/ 73		.4	1.6	2.9	1.5	.5	.2	.0										163	163	102	32			
72/ 71	.1	1.3	2.9	2.8	1.3	.5	.0											201	202	160	62			
70/ 69	.0	2.4	4.1	3.3	.9	.4	.3	.0										260	260	223	167			
68/ 67	.4	4.1	4.4	2.0	.6	.2												262	262	279	225			
66/ 65	.8	3.4	3.4	1.1	.5	.1	.1	.0										215	215	339	296			
64/ 63	.6	4.0	2.0	.6	.5			.0										178	179	284	310			
62/ 61	.4	2.7	1.3	1.1	.2													128	128	243	284			
60/ 59	.4	1.8	1.6	.6	.1													105	105	158	233			
58/ 57	.4	2.0	1.1	.5	.2		.0											95	95	126	149			
56/ 55	.1	1.5	.8	.3	.1	.1												63	63	117	138			
54/ 53	.3	.8	.3	.2														35	35	69	122			
52/ 51	.1	.4	.3	.1														19	19	49	90			
50/ 49	.1	.3	.1	.0														11	11	23	48			
48/ 47		.0	.1															4	4	18	22			
46/ 45		.1																2	2	6	22			
44/ 43																				4	16			
42/ 41		.0																1	1		11			
40/ 39																				1	1			
38/ 37																					2			
36/ 35																					4			
TOTAL	3.8	25.7	26.2	22.2	21.2	4.5	5.5	2.3	1.2	.5	.2							2244	2246		2244			
Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	14459341	178079	79.4	11.967	2243	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	10651170	153782	68.5	7.367	2246			55.7	26.6	5.8		90												
Wet Bulb	9268791	143577	64.0	6.060	2244			32.4	5.8			90												
Dew Point	8575682	137972	61.5	6.422	2244			19.9	1.7			90												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-49, 56-72

JUN  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
102/101																		1	1		
100/ 99																		2	2		
98/ 97														.0	.0			2	2		
96/ 95													.3	.1	.1			10	10		
94/ 93								.0	.0	.2	.1	.1	.0	.0			14	14			
92/ 91						.0	.1	.0	.4	.1	.2	.3					27	27			
90/ 89				.0	.0	.0	.5	1.2	.5	.4	.3	.0	.1				71	71			
88/ 87			.0	.0	.0	.4	1.3	1.3	.4	.3	.1	.0					91	91			
86/ 85			.1	.1	.2	1.2	2.0	1.2	.5	.5	.0	.1					136	136	1	1	
84/ 83			.1	.1	.8	2.0	2.8	1.3	.5	.3	.2	.0					181	181	2		
82/ 81			.0	.3	1.4	2.3	2.3	1.2	.5	.1	.1	.0					187	187	6	3	
80/ 79			.2	.9	2.4	3.3	1.7	.9	.4	.2	.0						228	228	10	4	
78/ 77		.0	.4	1.4	2.9	1.6	1.4	.8	.2	.0	.0						200	200	43	5	
76/ 75		.1	.3	2.3	2.5	1.2	1.3	.0	.3	.0							214	214	151	14	
74/ 73	.0	.3	1.6	2.6	1.8	.9	1.0	.4	.0								194	194	240	46	
72/ 71	.0	.8	1.1	1.9	1.2	1.0	.6	.4	.0								155	155	289	127	
70/ 69		.9	1.6	1.3	.8	1.0	.4	.0									139	139	369	252	
68/ 67	.0	.5	1.6	.8	.9	.6	.2	.0	.0								106	106	299	305	
66/ 65	.2	.5	1.1	.8	.5	.4	.2	.0	.1								84	84	217	317	
64/ 63	.1	.4	.7	.6	.5	.4	.1	.0									65	65	165	271	
62/ 61	.1	.8	.5	.4	.5	.2											57	57	143	202	
60/ 59	.2	.5	.4	.4	.3	.1	.0										44	44	114	151	
58/ 57		.3	.3	.1	.2												21	21	76	142	
56/ 55		.4	.1	.0													14	14	49	114	
54/ 53		.3		.0													8	8	45	85	
52/ 51			.0	.0													2	2	20	82	
50/ 49																			9	52	
48/ 47																			4	26	
46/ 45																			1	28	
44/ 43																				14	
42/ 41																				4	
40/ 39																				2	
38/ 37																				1	
36/ 35																				5	
Element (X)	Σ x²	Σ x	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-49, 56-72

JUN  
 MONTH  
 PAGE 2 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.8	5.8	10.6	14.3	17.3	16.7	16.0	9.6	4.0	2.3	1.2	.9	.3	.2	.1	.0	2253	2253	2253	2253		

Element (X)	Σx <sup>2</sup>	Σx	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	9921277	146015	64.8	14.264	2253			78.2	62.2	34.0	1.2	90
Dry Bulb	13250455	171785	76.2	8.224	2253			56.3	18.1	.4		90
Wet Bulb	10315108	151844	67.4	6.011	2253			30.2	2.7	.2		90
Dew Point	8987618	141454	62.8	6.876	2253							90

USAFETAC FORM 0-26-5 (O.L.A) JUL 64  
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 56-72 YEARS JUN MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
104/103															.0	.1	.0	4	4			
102/101															.0	.1	.0	6	6			
100/99															.2	.1	.1	9	9			
98/97					.1									.1	.2	.2	17	18				
96/95						.0	.1			.0	.4	1.0	.7	.4	.1	.0	.0	62	62			
94/93			.0			.1	.1	.2	.3	.9	.6	.3	.4	.0			.0	78	78			
92/91						.1	.4	.5	1.0	1.5	.6	.5	.2	.1				123	123			
90/89			.1	.1	.1	.2	1.2	1.8	1.9	.8	.4	.3	.5	.0				159	159	3		
88/87					.4	1.7	2.4	2.1	1.0	.5	.3	.1						168	188	2		
86/85				.1	.2	1.2	2.4	2.6	2.1	.5	.4	.2						219	219	2		
84/83				.0	.6	1.6	2.5	2.0	1.1	.7	.3	.1						199	201	7		
82/81		.0	.0	.3	1.6	2.6	2.6	1.0	.6	.8	.2	.1						223	223	7		
80/79			.1	.3	1.7	2.0	1.5	1.2	1.2	.0	.1							187	182	31		
78/77		.1	.1	.8	2.4	1.2	.9	1.5	.9	.2	.0							175	175	114		
76/75		.1	.1	.7	2.2	1.2	.8	1.2	.7	.2	.0							154	154	242		
74/73		.0	.5	1.3	.7	.6	.6	.7	.2									107	107	306		
72/71		.0	.4	.8	.0	.3	.7	.2	.0	.0								70	70	354		
70/69		.5	.5	.6	.3	.4	.5	.1	.3	.1								74	74	318		
68/67	.0	.3	.4	.3	.4	.4	.2	.1	.0									50	50	192		
66/65	.0	.4	.7	.6	.5	.2	.3											62	62	192		
64/63		.1	.3	.3	.4	.3	.0											32	32	153		
62/61		.4	.4	.1	.3	.0												27	27	82		
60/59		.2	.3	.0	.0													14	14	96		
58/57		.1	.1	.0	.0													8	8	57		
56/55		.3	.2	.0														11	11	30		
54/53		.1																2	2	41		
52/51																				8		
50/49																						
48/47																				57		
46/45																				26		
44/43																				24		
42/41																				12		
40/39																				5		
38/37																				4		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 56-72 YEARS JUN MONTH

PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
36/ 35																					2
34/ 33																					2
TOTAL	.1	2.8	4.8	6.6	10.8	13.0	17.0	15.3	12.5	7.2	4.3	2.6	1.8	.6	.3	.3	.2	2236	2238	2237	2237

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	7522639	125549	56.1	14.551	2236			83.7	75.9	56.5	7.1	90
Dry Bulb	14934648	181788	81.2	8.676	2238			63.5	28.7	1.4		90
Wet Bulb	10789677	141196	63.1	7.242	2237			32.7	4.6	.6		90

USAFETAC FORM 64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-43, 47-49, 56-72 YEARS JUN MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
104/103														.0		.0	.1	4	4			
102/101													.0	.1	.1	.1	.0	10	10			
100/99											.1	.2	.1			.1		11	11			
98/97									.1	.1	.2	.2	.5	.3	.0			32	32			
96/95						.0	.1	.1	.3	.5	.6	.5	.5	.3	.1			70	70			
94/93			.0			.0	.1	.2	.9	1.4	.8	.2	.5	.1	.0			96	96			
92/91					.1	.1	.3	.8	.8	1.3	.5	.3	.4	.3				109	109			
90/89				.0	.1	.5	1.0	1.8	1.9	1.4	.7	.3	.3	.1				176	176	1	1	
88/87				.1	.1	.7	1.1	2.7	2.6	1.2	.7	.4						217	217			
86/85			.0		.1	.1	1.2	2.5	3.1	1.8	1.0	.7	.4	.0				238	238	1		
84/83				.2	.5	1.8	2.4	2.1	1.6	.8	.4	.0						213	213	8		
82/81			.0	.2	1.0	1.8	2.3	1.5	.8	.9	.3	.1						197	200	16	7	
80/79				.0	1.6	1.1	1.6	1.1	1.2	.2	.1	.0						171	171	44	9	
78/77		.1	.2	.6	1.5	1.5	1.1	1.3	.3	.5								152	152	115	13	
76/75		.1	.3	.6	.5	.3	1.0	.3	.5									108	108	329	24	
74/73			.6	.8	.5	.4	.6	.6	.2									84	84	303	75	
72/71		.2	.5	.6	.4	.4	.4	.3	.1	.1	.0							66	66	349	126	
70/69	.0	.2	.6	.4	.4	.6	.5	.0	.4									69	69	290	260	
68/67	.0	.2	.8	.3	.3	.2	.3	.3										52	52	217	255	
66/65	.0	.4	.5	.3	.1	.2	.2											40	40	199	284	
64/63	.0	.4	.4	.1	.1	.2												28	28	140	229	
62/61		.4	.5	.2	.0													24	24	97	194	
60/59		.2	.1	.0														7	7	80	133	
58/57		.5	.2															15	15	37	135	
56/55			.0															1	1	37	138	
54/53		.1																3	3	27	108	
52/51																				1	63	
50/49																					54	
48/47																					26	
46/45																					24	
44/43																					10	
42/41																					3	
40/39																					6	
38/37																					3	
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																
Rel Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) JUN 64 REVIDED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

13947 STATION      FTPT RILEY KANSAS/MARSHALL AAF STATION NAME      39-45,47-49,56-72 YEARS

JUN MONTH

PAGE 2      1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
36/35 TOTAL	.2	2.7	5.2	5.2	7.3	11.7	15.6	16.9	13.3	9.3	5.1	2.6	2.7	1.4	.3	.3	.1			2194		1
																	2191		2191			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6996373	119329	54.5	15.070	2191							
Dry Bulb	14994773	180403	82.2	8.567	2194			85.2	77.5	60.8	9.1	90
Wet Bulb	10022472	122240	69.2	5.820	2191			64.6	29.5	1.9		90
Dew Point	8824048	138134	63.0	7.254	2191			32.0	5.7	.6		90

USAF ETAC FORM NO. 84 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 46-49, 57-72 YEARS JUN MONTH  
 PAGE 1 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
100/ 99														.0	.0	.0																	2	3		
96/ 97														.0	.0	.0																	2	2		
96/ 95														.1	.0	.0																5	5			
94/ 93										.0	.1			.3	.1	.0																10	18			
92/ 91						.0	.1	.3	.3	.9	.7	.6	.2	.3	.1	.0																35	35			
90/ 89				.0	.1	.3	.3	.9	.7	.6	.2	.1	.0																			72	72			
88/ 87				.1	.3	.2	1.2	1.4	1.0	.4	.1	.2	.0																			103	103			
86/ 85			.1	.2	.3	1.3	1.6	1.6	.7	.6	.3	.0	.0																			145	145			
84/ 83			.2	.4	1.0	2.2	2.3	1.6	1.0	.5	.2	.1	.0																			204	204	2		
82/ 81		.0	.0	.6	1.6	2.6	1.7	1.1	.9	.4	.1	.0																				191	191	16	4	
80/ 79		.0	.3	1.1	2.6	3.1	1.8	.8	.6	.2	.1																					223	224	29	8	
78/ 77	.0	.0	.7	1.7	2.7	1.9	1.3	.6	.3	.1	.0																					198	198	52	19	
76/ 75		.4	1.4	2.1	2.7	1.4	1.1	.7	.1	.0																						209	209	144	27	
74/ 73		.3	1.4	1.8	1.2	1.0	1.0	.5	.1																							158	159	25	63	
72/ 71		.6	.6	1.6	1.1	1.0	.8	.3																								129	129	325	157	
70/ 69	.2	.7	.8	1.0	.7	.8	.4	.0	.1																							102	102	32	202	
68/ 67	.1	.5	1.0	.0	1.1	.3	.2	.2																								92	92	246	297	
66/ 65		.7	1.0	.8	.4	.1	.2																									66	66	202	267	
64/ 63		.8	.6	.5	.6	.1	.0																									57	57	146	228	
62/ 61	.1	.7	.6	.4	.1	.1	.0																									43	43	146	183	
60/ 59	.0	.5	.3	.0	.1																											21	21	94	147	
58/ 57		.3	.0	.0																												9	9	72	139	
56/ 55		.2	.1	.1																												11	11	35	105	
54/ 53		.1	.0																													3	3	26	100	
52/ 51																																			10	67
50/ 49																																				39
48/ 47																																				17
46/ 45																																				17
44/ 43																																				4
42/ 41																																				8
40/ 39																																				1
TOTAL		.5	6.2	9.3	13.3	16.6	16.8	14.3	10.2	5.9	3.4	1.4	1.3	.5	.2	.0																	2099	2101	2099	
Element (X)	Σx'	Σx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	9028110	134112	63.9	14.795	2099	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	12713110	162598	77.4	7.854	2101			81.0	67.2	38.6	1.2	90																								
Wet Bulb	9814035	143017	68.1	5.754	2099			58.7	20.4	1.1		90																								
Dew Point	8531916	133054	63.4	6.825	2099			33.3	5.2	.3		90																								

USAFETAC FORM 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,48-49,57-72 JUN  
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
90/ 89								.1			.0																					3	3				
88/ 87							.0		.1	.2	.0																					8	8				
86/ 85				.0	.2	.4	.6	.4	.0	.1	.0			.0																		40	40				
84/ 83			.1	.4	.8	.7	.8	.2	.1	.0																						62	62				
82/ 81		.0	.4	1.0	.8	1.0	.7	.4	.3	.1																						102	102				
80/ 79		.0	.5	1.8	2.1	1.0	.6	.1	.0	.2																						138	138	8	1		
78/ 77		.0	.8	1.9	2.6	1.3	.4	.1	.3	.1																						163	163	28	12		
76/ 75		.5	1.3	2.1	2.5	1.3	.3	.1	.1																							193	193	62	21		
74/ 73	.0	1.1	2.7	3.2	1.7	1.0	.4																										216	216	134	46	
72/ 71	.1	2.3	2.5	2.7	1.9	.6	.1	.0																									219	219	205	118	
70/ 69	.4	1.4	3.4	2.6	1.4	.9	.1	.1																									220	220	299	186	
68/ 67	.6	2.1	3.2	1.9	1.1	.3	.1																										197	197	279	247	
66/ 65	.5	2.4	2.1	1.4	.8	.1																											155	155	262	277	
64/ 63	.2	2.1	1.7	1.0	.7																												121	121	246	260	
62/ 61	.0	2.5	1.4	.9	.0																												106	106	161	216	
60/ 59	.1	1.5	1.0	.6	.2	.1																											75	75	170	211	
58/ 57		1.2	.7	.3	.1																												47	47	102	149	
56/ 55	.1	.5	.6	.3	.1																												33	33	82	132	
54/ 53		.3	.2	.1																													14	14	34	99	
52/ 51		.2	.1																														7	7	32	50	
50/ 49																																				12	38
48/ 47		.0																																1	1	4	29
46/ 45	.0																																	1	1	1	13
44/ 43																																					5
42/ 41																																					2
40/ 39																																					2
TOTAL	2.2	18.2	22.8	23.3	16.6	8.9	4.3	1.7	1.0	.7	.1			.0																				2121	2121	2121	2121
Element (X)	Σx <sup>2</sup>		Σx		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.	12579000		161056		75.912		8.27		2121		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	10826678		150748		71.1		7.282		2121				66.2	39.3	12.3		90																				
Wet Bulb	9200316		139134		65.6		5.883		2121				43.1	9.8	.1		90																				
Dew Point	8414353		132899		62.7		6.409		2121				26.8	3.4	.0		90																				

USAF ETAC FORM 0-26-5 (OL-A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 48-49, 56-71 YEARS

JUL MONTH

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
92/ 91													.1					3	3			
90/ 89						.0			.0	.0	.2							8	8			
88/ 87					.0	.1	.1	.2	.1	.1	.0							20	20			
86/ 85					.1	.3	.4	.4	.3	.1								43	43			
84/ 83			.0	.1	.7	1.4	1.0	.8	.2	.3	.0							105	105			
82/ 81		.0	.4	1.0	1.1	1.7	1.3	.9	.3	.1								153	153			
80/ 79		.3	.4	2.3	2.3	1.6	1.3	.5	.6									201	201	8		
78/ 77		.5	1.3	1.9	2.7	1.4	.9	.4										198	198	25	11	
76/ 75		1.3	2.8	2.5	2.7	.9	.5	.1										239	239	85	21	
74/ 73	.0	1.8	2.5	2.3	1.1	.8	.5	.0	.0									209	208	207	80	
72/ 71	.3	3.0	2.9	3.0	1.8	.8	.2	.0	.0									266	266	295	164	
70/ 69	.5	2.7	3.3	2.1	.9	.7	.0											225	225	371	282	
68/ 67	.8	3.2	2.0	.9	.6	.2		.1										173	173	341	367	
66/ 65	.3	2.3	1.7	.8	.7	.0	.1											129	129	293	288	
64/ 63	.1	1.8	.9	.9	.5													94	94	213	307	
62/ 61	.2	1.4	.4	.3	.1													55	55	128	222	
60/ 59		1.0	.5	.6														47	47	107	153	
58/ 57	.1	.3	.4	.1														19	19	62	119	
56/ 55	.0	.5	.2	.1														18	18	36	114	
54/ 53		.2	.2															8	8	28	61	
52/ 51		.2	.0															5	5	10	50	
50/ 49		.0																1	1	7	22	
48/ 47		.0																1	1	3	7	
46/ 45																					8	
44/ 43																					3	
TOTAL	2.3	20.6	19.9	19.1	15.4	9.8	0.0	3.3	1.8	.8	.4	.3	.1						2219	2219		2219

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	13020104	166924	75.3	14.367	2218			77.2	49.4	18.1		93
Dry Bulb	11954463	162139	73.1	6.952	2219			55.8	13.6	.0		93
Wet Bulb	10081940	149118	67.2	5.250	2219			36.3	4.7			93
Dew Point	9215704	142406	64.2	5.880	2219							93

USAF/ETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 48-49, 56-72 YEARS

JUL MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
88/ 87							.0				.0	.1						4	4							
86/ 85							.0	.2			.1	.1						9	9							
84/ 83					.1	.2	.4	.3	.1	.2								30	30							
82/ 81			.0	.3	.8	.8	.8	.4	.1	.0								74	74							
80/ 79		.0	.2	1.1	1.9	.9	.9	.4	.4	.0								133	133							
78/ 77		.1	1.4	2.5	2.0	.9	.9	.3	.2									189	139	4	1					
76/ 75		.6	2.5	3.1	2.4	1.2	.6	.2										242	242	24	5					
74/ 73	.2	1.4	3.1	2.8	1.1	.5	.4											207	207	126	35					
72/ 71	.1	3.4	2.7	2.7	1.1	.3	.2											236	236	254	112					
70/ 69	.8	4.1	3.2	2.7	.3	.5	.3	.1	.0									319	319	362	272					
68/ 67	1.2	4.4	2.8	1.1	.6	.4												235	235	367	322					
66/ 65	.7	3.9	2.6	.6	.2	.1	.1											184	184	330	323					
64/ 63	.7	2.8	1.1	.7	.2	.1	.0											124	124	270	323					
62/ 61	.4	1.8	.8	.4	.0													69	69	170	250					
60/ 59	.3	2.0	1.0	.6														87	87	105	177					
58/ 57	.0	.9	.5	.1														35	35	91	124					
56/ 55	.1	.7	.3	.1	.0													29	28	59	98					
54/ 53	.1	.2	.3															14	14	35	85					
52/ 51	.0	.3																8	8	17	41					
50/ 49		.4	.2															14	14	16	33					
48/ 47		.1	.0															3	3	8	24					
46/ 45		.0																1	1	6	7					
44/ 43		.0																1	1	2	11					
42/ 41																					3					
TOTAL	4.5	27.3	24.7	18.6	11.1	6.0	4.7	1.8	.9	.4	.1	.1						2246	2246	2246	2246					
Element (X)	Σx²	Σx	ȳ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total														
Rel. Hum.	14553489	178261	79.4	13.435	2246	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb	11254787	158267	70.5	6.751	2246			69.5	36.8	8.0		93														
Wet Bulb	9787530	147778	65.8	5.352	2246			47.1	6.4			93														
Dew Point	9077476	142182	63.3	5.845	2246			30.9	1.7			93														

USAFETAC FORM 0-26-5 (OL A) JUL 64 REISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-49,56-72

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
94/ 93											.0		.0					2	2				
92/ 91											.1	.1						4	4				
90/ 89								.1	.1	.2								12	12				
88/ 87					.0		.2	.3	.2									22	22				
86/ 85				.0	.1	.4	.8	.6	.4	.2								62	62				
84/ 83				.2	.7	1.2	.9	.3	.2	.1								69	89				
82/ 81				.5	1.6	1.9	1.0	.4	.2									130	139				
80/ 79			.6	1.8	2.8	2.1	.9	.1	.4									210	210	2			
78/ 77		.0	1.6	2.6	2.4	1.3	.8	.2	.1	.0								224	224	14	2		
76/ 75		.5	2.4	3.7	2.2	1.2	.8	.2			.0							271	271	90	13		
74/ 73	.1	1.3	3.3	3.3	1.5	.9	.4	.1	.1									271	271	230	69		
72/ 71	.2	2.8	3.6	2.7	1.7	.6	.4	.0	.0									296	296	362	161		
70/ 69	.4	2.9	4.4	2.5	1.0	.8	.0	.1										297	297	434	341		
68/ 67	.2	2.1	2.2	1.2	.7	.1	.0	.0										171	171	350	393		
66/ 65	.6	2.1	2.1	.9	.4	.2	.0											154	154	323	361		
64/ 63	.2	1.3	.8	.6	.4	.0												82	82	259	316		
62/ 61	.2	.9	.8	.4	.1													59	59	139	263		
60/ 59	.1	.6	.7	.4	.0													44	44	110	166		
58/ 57	.0	.3	.2	.1	.1													17	17	63	111		
56/ 55		.2	.1	.1														10	10	43	106		
54/ 53	.0	.1	.2															7	7	18	68		
52/ 51		.0	.1															3	3	8	37		
50/ 49		.1	.0															3	3	9	23		
48/ 47		.0	.0															2	2	4	13		
46/ 45		.0																1	1	2	8		
44/ 43			.0															1	1		6		
42/ 41																					1		
40/ 39																				1			
38/ 37																					1		
TOTAL	2.1	15.4	23.1	21.3	15.9	10.6	6.3	2.5	1.8	.5	.4	.1	.0					2461	2461	2461	2461		
Element (X)	Σx²	Σx	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel. Hum.	14283009	184537	75.0	13.459	2461	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	13276000	179992	73.1	6.741	2461			78.5	49.7	16.2	.1	93											
Wet Bulb	11187979	165457	67.2	5.102	2461			56.0	12.7	.1		93											
Dew Point	10229238	158050	64.2	5.666	2461			37.0	3.2			93											

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS JUL MONTH  
PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
106/105																	.0	1	1				
104/103																	.0	1	1				
102/101												.0		.1	.1			6	6				
100/ 99											.1	.2	.2	.2	.1			21	21				
98/ 97								.0	.1	.1	.3	.3	.4	.3				38	38				
96/ 95								.0	.0	.3	.5	.9	.4	.3				55	55				
94/ 93					.0	.0	.1	.2	.9	1.0	.9	.4	.1					88	88				
92/ 91						.1	.3	.4	1.4	1.0	.6	.2	.1	.0				100	100				
90/ 89					.0	.2	1.0	2.4	2.0	1.1	.4	.1						180	180				
88/ 87					.2	.3	2.6	2.2	1.5	.7	.4	.0		.0				213	213				
86/ 85				.1	.6	1.8	2.8	2.3	.7	.8	.1		.0					228	228	1			
84/ 83				.1	1.4	2.5	2.6	1.6	1.0	.6	.1	.1						244	244	2			
82/ 81		.0	.1	.6	2.4	2.7	2.1	1.6	.7	.2	.1	.0						259	258	10			
80/ 79		.0	.1	1.1	1.8	2.4	1.2	1.6	.6	.1								221	221	39			
78/ 77		.1	.8	1.9	1.9	1.5	1.3	1.2	.3	.1								226	226	160			
76/ 75		.2	1.5	1.5	1.9	1.4	.8	.6	.2	.0								203	203	366			
74/ 73	.1	.6	1.0	1.2	.9	.8	.4	.2	.1									152	152	446			
72/ 71		.4	.8	.7	.6	.4	.4	.1	.0	.0								87	87	405			
70/ 69	.0	.6	.6	.4	.2	.3	.1	.2										59	59	341			
68/ 67	.1	.7	.2	.1	.1	.3												35	35	256			
66/ 65		.2	.2	.1	.4	.1	.1											25	25	192			
64/ 63			.0	.1	.2													5	0	104			
62/ 61		.1	.1	.0														7	7	60			
60/ 59		.2																4	4	39			
58/ 57																				28			
56/ 55																				12			
54/ 53																				1			
52/ 51																				48			
50/ 49																				32			
48/ 47																				22			
46/ 45																				8			
44/ 43																				9			
40/ 39																				1			
38/ 37																				1			
Element (X)	Σx <sup>2</sup>	Σx	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REWARD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FIPT RILEY KANSAS/MARSHALL AAF 39-49,56-72 JUL  
STATION STATION NAME YEARS MONTH  
PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
110/109																.1	3	3		
108/107																.2	8	8		
106/105														.2	.2	.1	23	23		
104/103									.0		.1	.4	.2	.4	.6	.1	45	45		
102/101								.0		.1	.3	.5	.2	.8	.2		57	57		
100/99								.0	.1	.4	.8	.9	1.3	.4		.0	96	96		
98/97									.3	.7	1.5	1.1	.6	.1			105	105		
96/95						.2	.3	.6	1.2	1.6	1.3	.7	.1	.0			151	151		
94/93						.0	.6	2.0	2.0	1.5	1.0	.5	.2				194	194		
92/91						.0	.7	1.3	2.6	1.7	1.3	.5	.3		.0		210	210		
90/89				.1	.4	1.8	2.8	2.0	1.6	1.4	.5	.2	.2				270	270		
88/87			.0	.0	.6	1.6	2.0	1.7	1.0	.6	.5	.2					202	202		
86/85		.0	.0	.0	1.1	1.9	1.8	1.1	1.5	.7	.2	.1					215	215	3	
84/83	.0	.0	.1	.7	1.8	2.0	1.7	1.1	.9	.3	.1						211	211	6	
82/81	.0	.0	.2	1.2	1.7	1.6	1.5	.9	.6	.2							195	195	21	
80/79	.0	.3	.9	.9	1.0	.9	.8	1.1	.5	.1							164	164	134	
78/77	.0	.4	.8	.7	.7	.7	.5	.4	.2	.0							107	107	286	
76/75	.1	.7	.8	.4	.4	.4	.2	.1	.0	.0							81	81	446	
74/73	.2	.4	.1	.1	.2	.4	.1	.1									40	40	455	
72/71	.1	.1	.2	.0	.2	.3	.0										24	24	348	
70/69	.1	.3	.2	.1	.2	.1											25	25	260	
68/67	.2	.2	.0	.1	.0												15	15	187	
66/65	.0	.0	.0	.2													7	7	134	
64/63	.1	.1															5	5	82	
62/61	.0	.2															5	5	45	
60/59																			29	
58/57																			16	
56/55																			1	
54/53																				
52/51																				
50/49																				
48/47																				
46/45																				
44/43																				
Element (X)	Σ X <sup>2</sup>	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS JUL MONTH  
PAGE 2 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
40/ 39																							2
TOTAL	.1	1.3	2.0	3.5	4.9	7.9	12.7	14.1	13.9	11.5	9.1	6.7	5.0	3.0	1.8	.9	1.0	2453	2453	2453			
																		2453	2453				

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6570913	121865	49.7	14.420	2450			92.4	39.9	79.1	25.7	93
Dry Bulb	18972706	214820	87.6	8.077	2453			81.4	51.2	2.9		93
Wet Bulb	12890142	177438	72.3	4.742	2453			45.0	8.6	.4		93
Dew Point	10532363	159985	65.2	6.326	2453							

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS JUL MONTH  
PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
112/111																	.1	3	3					
110/109																	.1	2	2					
108/107														.0	.1	.2	.4	18	18					
106/105														.1	.2	.3	.7	30	30					
104/103												.1	.2	.3	.5	.5	.4	47	47					
102/101										.0	.1	.5	.5	.5	1.3	.3	.1	73	73					
100/99									.0	.2	.9	1.4	1.1	.7	.0	.1	111	111						
98/97							.1	.2	.6	.7	.9	1.0	.6	.1			102	102						
96/95							.1	.2	.9	1.5	2.0	1.7	.7	.5	.1	.0	188	188						
94/93						.1	.1	.9	1.3	2.1	1.7	1.3	.5	.2	.0		199	199						
92/91						.2	.8	1.5	2.7	2.1	1.5	.5	.5	.1	.2		245	245						
90/89						.5	1.1	1.7	2.3	1.8	.8	.4	.4				215	215						
88/87					.3	.4	1.4	1.5	2.2	1.7	1.1	.3	.2				218	218						
86/85	.0			.1	.2	1.7	2.4	1.9	1.3	.7	1.2	.3	.1	.0			241	241	3					
84/83		.0	.0	.1	.5	1.0	1.2	1.9	1.7	1.2	.5	.0					197	197	9	1				
82/81	.0	.0	.0	.2	.8	1.2	1.0	1.2	1.2	.7	.3	.1					168	168	34	4				
80/79		.1	.0	.9	1.0	1.0	.5	.5	.6	.5	.0						123	123	157	9				
78/77			.3	.7	.4	.4	.2	.4	.5	.1	.1						77	77	259	24				
76/75		.0	.5	.5	.2	.2	.2	.2	.1	.0							43	43	426	84				
74/73		.2	.3	.3	.2	.0	.2	.1	.1								34	34	460	122				
72/71	.0	.3	.2	.1	.2	.1		.0	.0								24	24	356	231				
70/69	.1	.1	.2	.1	.1	.2											19	19	260	345				
68/67	.0	.0	.0		.2	.1											9	9	172	295				
66/65	.0	.2	.1		.1												13	13	121	265				
64/63		.2		.0													7	7	74	263				
62/61		.0															1	1	58	206				
60/59																			12	160				
58/57																			10	122				
56/55																			1	117				
54/53																				69				
52/51																				36				
50/49																				31				
48/47																				14				
46/45																				7				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS JUL MONTH  
PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
44/ 43																					4		
40/ 39																					3		
TOTAL	.2	1.3	1.9	3.1	4.1	6.9	9.4	12.1	15.1	13.0	10.3	7.1	5.5	3.6	3.3	1.3	1.8	2412	2412	2412	2412		

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6056100	115342	47.9	14.886	2409							
Dry Bulb	19144516	213998	88.7	8.099	2412			92.2	90.2	82.0	30.0	93
Wet Bulb	12751394	175012	72.6	4.676	2412			82.4	52.0	4.2		93
Dew Point	10294594	156792	65.0	6.515	2412			63.0	9.4	2.3		93

USAFETAC FORM 34 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 48-49, 56-72 YEARS JUL MONTH  
PAGE 1 1000-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
108/107																.1	2	2		
106/105																.0	2	2		
104/103													.0	.1	.0	.1	10	10		
102/101												.0	.1	.1	.2	.2	13	13		
100/ 99											.1	.1	.4	.3	.2	.0	25	25		
98/ 97									.1	.1	.3	.5	.4	.5	.0		41	41		
96/ 95								.1	.4	.6	.7	.5	.1				53	53		
94/ 93						.0	.1	.4	.8	.8	.8	.7	.2	.2			89	89		
92/ 91			.0			.0	.6	.9	1.3	1.2	1.0	.5	.1				129	129		
90/ 89			.0		.1	.5	1.2	1.6	2.1	1.3	.7	.3	.1				175	175		
88/ 87				.0	.4	.7	1.9	2.1	2.0	.8	.5	.1	.0				191	191	1	
86/ 85				.2	1.0	1.8	1.0	2.2	1.3	.6	.4		.0				237	237	1	
84/ 83			.0	.5	1.3	1.9	1.7	1.3	1.1	.6	.2		.1				196	196	1	
82/ 81			.3	.9	1.8	2.2	2.1	1.0	.9	.4	.2						218	218	18	
80/ 79		.1	.7	1.0	1.8	1.8	1.0	.9	.6	.4	.1						216	216	68	
78/ 77	.0	.2	.9	1.9	2.1	1.7	1.2	.7	.3	.1							204	204	182	
76/ 75		.2	1.2	1.4	1.3	.9	.8	.6	.0	.1							145	145	319	
74/ 73	.1	.4	1.0	1.2	.6	.4	.4	.1	.0								93	95	391	
72/ 71	.1	.3	.7	.9	.8	.4	.2		.1								80	80	375	
70/ 69	.3	.4	.3	.4	.1	.5	.0	.0									46	46	307	
68/ 67		.2	.3	.0	.5	.0	.1										26	26	217	
66/ 65		.1	.3	.1	.2	.1											19	19	139	
64/ 63		.1	.0	.2	.0												10	10	96	
62/ 61		.0			.0												2	2	55	
60/ 59																			37	
58/ 57																			14	
56/ 55																			4	
54/ 53																			103	
52/ 51																			41	
50/ 49																			27	
48/ 47																			16	
46/ 45																			8	
44/ 43																			6	
42/ 41																			3	
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FUFT RILEY KANSAS/MARSHALL AAF 39-45,48-49,56-72 JUL  
 STATION STATION NAME YEARS MONTH

PAGE 1 2109-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
98/ 97																		2	2	
96/ 95														.1				2	2	
94/ 93										.0	.0		.2	.0			8	8		
92/ 91								.1	.2	.1	.2	.1					21	21		
90/ 89						.1	.3	.3	.4	.5	.2	.0					38	38		
88/ 87					.2	.4	.9	.5	1.0	.4	.2	.0					79	79		
86/ 85				.3	.4	1.3	1.2	1.7	.8	.6	.2						143	143		
84/ 83			.1	.9	1.4	1.5	2.1	.8	.5	.4							172	172		
82/ 81		.1	.4	1.1	1.5	2.1	1.3	.9	.5	.1		.1					177	177	1	
80/ 79		.0	1.1	2.1	2.0	2.4	1.3	.6	.4								222	222	22	
78/ 77		.4	1.8	3.2	2.2	1.2	.9	.4	.0								222	222	61	
76/ 75		.8	2.5	2.6	2.4	.9	.8	.3									226	226	161	
74/ 73	.1	2.1	3.2	2.2	2.2	.7	.4	.2	.0								251	251	289	
72/ 71	.3	1.9	2.7	2.0	1.8	.7	.4	.2									215	215	385	
70/ 69	.1	1.6	2.0	1.7	.7	.4	.2	.1									155	155	368	
68/ 67	.3	1.0	1.5	1.2	.8	.3											112	112	306	
66/ 65	.1	.5	1.2	1.1	.4	.1	.0										51	51	219	
64/ 63	.0	.6	.6	.2	.5	.0											47	47	147	
62/ 61		.5	.4	.2	.0	.0											26	26	116	
60/ 59		.1	.2	.3													14	14	76	
58/ 57			.2	.1													6	6	33	
56/ 55		.0	.1														4	4	24	
54/ 53																			9	
52/ 51																			6	
50/ 49																				
48/ 47																			19	
46/ 45																			8	
44/ 43																			4	
TOTAL	1.0	9.5	19.0	19.3	16.6	12.1	9.6	6.0	3.6	2.1	1.1	.5	.5	.1			2223	2223	2223	

Element (X)	$\Sigma x^2$	$\Sigma xy$	$\bar{x}$	$\bar{y}$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	11360935	155341	70.0	14.878	2220			85.6	65.4	31.5	.5	93
Dry Bulb	12069668	169758	76.4	6.914	2223			66.6	22.3	.5		93
Wet Bulb	10591743	153043	68.8	4.996	2223			42.6	8.1			93
Dew Point	9501938	144734	65.1	5.950	2223							93

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-70

AUG  
MONTH  
PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
92/ 91												.0																					1	1		
90/ 89												.0											.0										2	2		
88/ 87											.1	.3	.4	.1	.0																		21	21		
86/ 85										.1	.5	.8	.4	.2	.1	.0									.0								51	51		
84/ 83						.4	.7	.6	1.0	.7	.1	.0	.1	.0																			85	85		
82/ 81			.0	.4	.9	1.4	.8	.5	.3	.3	.1																						105	105		
80/ 79			.2	1.6	2.1	1.7	1.1	.5	.4	.3																							177	177		
78/ 77			.9	2.8	2.4	1.0	.8	.6	.1	.3																							194	194	2	
76/ 75		.4	3.0	2.4	1.2	1.1	.4	.2	.0																								201	201	37	
74/ 73	.1	2.1	2.0	1.8	1.1	1.1	.7	.1																									216	216	163	
72/ 71	.1	3.4	2.7	2.1	1.7	1.1	.5																										206	266	331	
70/ 69	.8	4.2	2.2	1.0	1.0	.8	.3																										236	236	374	
68/ 67	.5	2.7	2.2	1.4	1.0	.4	.2																										190	190	307	
66/ 65	.2	1.7	2.1	1.0	.5	.3	.0																										137	137	247	
64/ 63	.2	1.8	1.6	.9	.6	.1																											118	118	194	
62/ 61	.2	2.7	1.4	.8	.1	.1																											122	122	210	
60/ 59	.0	1.1	.6	.6	.1																												56	55	154	
58/ 57	.2	.7	.5	.4																													40	40	108	
56/ 55	.2	.5	.2	.1																													23	23	60	
54/ 53	.0	.4	.4																														17	17	39	
52/ 51	.0	.2	.2																														11	11	29	
50/ 49		.0	.0																														2	2	12	
48/ 47			.0																														1	1	3	
46/ 45																																			1	1
44/ 43																																				
42/ 41																																				
TOTAL	3.0	22.0	20.8	17.3	12.9	9.9	6.1	3.6	2.2	1.2	.4	.3	.0	.0																			2271	2271	2271	

Element (X)	Σx'	Σx	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	13391067	170943	75.3	15.191	2271	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	11924660	163020	71.8	7.347	2271			71.5	43.1	14.6		93
Wet Bulb	9953042	149810	66.0	5.377	2271			49.7	8.3			93
Dew Point	9007377	142787	62.9	6.289	2271			32.6	1.5			93

USAFETAC FORM 0-26-5 (OL A) JUL 66 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-49, 56-72

AUG  
MONTH

STATION

STATION NAME

YEARS

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
86/ 85						.0	.0	.0		.1	.1							7	7			
84/ 83						.0	.2	.3	.7	.1	.0	.1						37	37			
82/ 81				.1	.6	.5	.8	.4	.0		.0	.0						59	59			
80/ 79			.1	.7	1.1	1.2	.8	.3	.3									105	105			
78/ 77		.0	.6	2.2	1.8	.7	.9	.3	.2									153	153			
76/ 75		.4	2.6	2.6	1.8	.6	.4	.3										202	202	17	2	
74/ 73	.0	1.5	2.8	2.9	1.0	.6	.4	.1										218	218	85	17	
72/ 71	.1	3.5	3.0	1.9	1.3	.6	.3	.0										254	254	232	89	
70/ 69	1.2	5.2	2.5	1.5	1.3	.8	.0											291	291	379	781	
68/ 67	1.1	3.7	2.7	1.3	1.1	.4												244	244	358	309	
66/ 65	.9	2.5	1.5	1.0	.9	.5												169	169	256	304	
64/ 63	.4	2.4	2.1	1.0	.5	.1												153	153	223	252	
62/ 61	.4	3.7	1.1	1.0	.2	.2												155	155	210	180	
60/ 59	.4	2.8	.7	.3	.2													100	100	213	241	
58/ 57	.5	1.9	.5	.3														73	73	135	177	
56/ 55	.1	.8	.4	.3														37	37	88	156	
54/ 53	.4	.6	.3	.0														33	33	55	126	
52/ 51	.0	.6	.1															18	18	33	85	
50/ 49		.4																9	9	25	43	
48/ 47		.2																4	4	10	25	
46/ 45		.1																3	3	2	20	
44/ 43																				3	6	
42/ 41																					3	
TOTAL	5.6	30.72	1.3	17.1	11.6	0.5	4.0	2.2	.6	.2	.3							2324	2324		2324	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	15212596	185258	79.7	13.836	2324	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	11250259	160853	69.2	7.097	2324			62.8	31.3	0.3		93
Wet Bulb	9803741	150353	64.7	5.740	2324			42.9	4.1			93
Dew Point	9083991	144575	62.2	6.226	2324			27.9	.8			93

USAFETAC FORM 0-76-5 (01A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 38-49,56-72

AUG  
 MONTH

PAGE 1 0600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
90/ 89											.0							1	1		
88/ 87						.0	.1	.1	.4	.2	.0							19	19		
86/ 85					.0	.2	.5	.4	.2	.0	.0							34	34		
84/ 83					.2	.6	.7	.6	.2	.0	.0							60	60		
82/ 81				.3	1.5	1.7	1.0	.2		.0								120	120		
80/ 79			.2	1.2	2.0	1.5	1.1	.3	.1									169	169		
78/ 77		.1	.9	2.5	2.4	1.0	1.0	.1	.0									199	199		
76/ 75		.5	2.7	2.8	2.1	.9	.6	.2	.0									249	249	6	5
74/ 73		1.4	2.9	2.7	1.3	.8	.0	.0	.0									242	242	172	43
72/ 71	.2	3.4	2.9	1.7	1.6	.6	.2	.0										269	269	332	144
70/ 69	.6	3.0	2.8	1.9	1.4	.8	.1	.1										270	270	390	301
68/ 67	.8	3.5	2.5	1.7	1.0	.4	.0											248	248	336	354
66/ 65	.4	2.0	2.3	1.3	.7	.4												179	179	306	328
64/ 63	.3	1.6	1.8	.9	.4	.1												127	127	225	275
62/ 61	.4	2.1	1.3	.9	.4													126	126	212	238
60/ 59	.2	1.6	.6	.3	.2	.1												75	75	178	218
58/ 57	.2	1.6	.7	.1	.1													67	60	122	103
56/ 55	.1	.5	.3	.1	.0													26	26	91	144
54/ 53	.2	.4	.1															16	16	46	116
52/ 51	.1	.2	.0															7	7	28	57
50/ 49		.3	.0															8	8	5	34
48/ 47		.2																4	4	11	26
46/ 45		.0																1	1	2	17
44/ 43																				1	3
42/ 41																					5
TOTAL	3.3	22.3	22.3	18.4	15.3	9.1	5.8	2.1	.9	.2	.1	.1						2516	2517		2516
Element (X)	Σx²	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	15336927	143481	76.9	13.498	2516	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	12441603	178853	71.1	7.261	2516			69.5	40.4	11.6		93									
Wet Bulb	10970761	165521	65.8	5.693	2516			47.6	8.5			93									
Dew Point	10071534	158436	63.0	6.133	2516			31.5	1.8			93									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-49,56-72 YEARS AUG MONTH  
PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101															.0			1	1		
100/99											.0		.2	.2	.0			10	10		
98/97										.2	.3	.1	.1	.1				20	20		
96/95									.0	.4	.6	.5	.2	.0				44	44		
94/93								.0	.3	.7	.6	.4	.2	.1				60	60		
92/91						.0	.1	.7	1.5	1.3	.9	.3	.1					123	123		
90/89						.0	.9	1.5	1.6	1.0	.7	.2	.1					152	152		
88/87						.5	1.8	2.3	1.5	.6	.5	.1	.0					184	184		
86/85			.0		.3	2.1	2.8	1.8	1.0	1.0	.2	.1						237	238		
84/83			.0	.2	1.3	2.5	2.0	1.6	1.0	.4	.2							235	235		
82/81			.0	.8	1.8	2.4	1.4	1.6	1.0	.2	.0							237	237	2	
80/79			.3	1.1	2.6	1.7	1.3	1.7	1.0	.3								254	254	13	2
78/77		.2	.5	1.1	1.5	1.2	1.5	.9	.4		.1							188	188	129	3
76/75		.2	1.1	1.1	1.4	1.1	1.3	.7	.2									182	182	351	27
74/73	.0	.6	1.2	1.2	1.2	1.1	.7	.4	.1									166	166	400	120
72/71	.0	.6	.9	.9	1.2	.7	.4	.4										129	129	364	243
70/69	.0	.7	.8	.9	.8	.6	.3	.1										110	110	309	362
68/67	.2	.9	.6	.7	.4	.3	.1	.1										83	83	268	361
66/65	.0	.6	.6	.2	.5	.2	.1	.1										60	60	230	270
64/63		.2	.6	.4	.2	.0	.1											36	36	199	244
62/61		.2	.3	.2		.1	.0											21	21	96	208
60/59		.1	.2		.0													8	8	74	220
58/57					.0													1	1	54	175
56/55																				17	121
54/53																				8	67
52/51																				7	55
50/49																					27
48/47																					17
46/45																					6
44/43																					8
42/41																					5
TOTAL	.4	4.3	7.2	8.9	13.3	14.5	14.9	13.8	9.6	6.0	4.1	1.8	.8	.4	.2			2541	2542	2541	2541
Element (X)	Σx <sup>2</sup>		Σx		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	9718611		152441		60.0		15.023		2541		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb	16594835		204385		80.4		7.975		2542				88.4	76.6	53.0	4.9	93				
Wet Bulb	12379446		176850		69.6		5.285		2541				67.2	32.8	.2		93				
Dew Point	10608257		163401		64.3		6.294		2541				40.9	5.6			93				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 38-49,56-72 AUG  
 STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
106/105															.0	.1	.1	6	6			
104/103													.1	.1	.4	.3	.3	29	29			
102/101									.0	.1	.2	.6	1.3	.9	.7	.2	.0	51	51			
100/99								.0	.4	.9	1.5	1.1	.6	.4	.1	.0	89	89				
98/97								.0	.4	1.1	1.9	1.3	1.0	.5	.1	.0	125	125				
96/95								.3	1.6	2.2	1.0	.9	.7	.3			161	161				
94/93								.3	1.6	2.2	1.0	.9	.7	.3			193	193				
92/91						.0	.1	1.5	2.2	2.1	1.2	1.6	.4	.1			237	237				
90/89						.2	.7	2.1	2.6	1.0	1.3	.4	.2				236	236				
88/87						.5	2.1	1.8	1.3	.8	.9	.5	.2				207	207				
86/85				.0	.4	1.1	1.2	1.6	1.7	1.4	.9	.4					221	221				
84/83				.1	.5	1.4	1.0	1.4	1.3	1.4	.5	.1					198	198	2			
82/81			.0	.3	.8	1.3	1.2	.6	1.1	1.5	.1	.1					176	176	9			
80/79				.2	.9	1.2	.6	1.0	1.0	.5							137	137	77	1		
78/77		.0	.2	.7	.9	.6	.6	.6	.4	.2							107	107	243	8		
76/75		.0	.5	.7	.5	.5	.6	.5	.4	.0							101	101	458	29		
74/73		.3	.4	.6	.4	.3	.5	.4	.2	.1							81	81	385	114		
72/71		.3	.3	.2	.4	.3	.2	.2	.3	.0							57	57	349	213		
70/69	.2	.5	.7	.3	.5	.1	.3	.0	.0								67	67	324	349		
68/67	.0	.3	.2	.3	.1	.1	.1	.2									34	34	201	321		
66/65		.1	.2	.2	.1	.1	.1	.0									19	19	207	314		
64/63		.1	.2	.2	.0												13	13	133	231		
62/61	.0	.0	.1	.0													5	5	68	212		
60/59																			43	185		
58/57																			33	181		
56/55																			11	135		
54/53																			7	105		
52/51																				71		
50/49																				37		
48/47																				17		
46/45																				13		
44/43																				9		
42/41																				4		
40/39																				1		
Element (Σ)	Σx <sup>2</sup>	Σx	Σ	Σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 62

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 30-49, 56-72 AUG  
STATION STATION NAME YEARS MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.2	1.7	2.8	3.9	5.5	7.7	9.3	12.5	14.4	13.5	9.5	7.4	5.3	3.0	1.9	.7	.5	2550	2550	2550		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6793864	125884	49.4	15.048	2549			91.7	85.9	73.0	23.9	93
Dry Bulb	19194822	220124	86.3	8.702	2550			74.7	42.8	1.0		93
Wet Bulb	12973764	181412	71.1	5.156	2550			37.7	5.5			93
Dew Point	10494890	162728	63.8	6.582	2550							

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 AUG  
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
106/105														.0		.3	.2	13	13																
104/103													.1	.2	.7	.4	.2	41	41																
102/101											.0	.0	.8	.6	.6	.3	.1	54	64																
100/99											.1	.2	.7	1.1	1.1	.5	.1	98	98																
98/97								.0	.0	.4	1.2	.9	1.5	.9	.6	.2	145	145																	
96/95								.0	.0	.2	1.4	1.9	1.6	1.0	.8	.3	.0	183	183																
94/93								.2	1.2	2.8	2.2	.8	.8	.2			204	204																	
92/91						.0	.3	1.0	2.1	1.7	1.2	1.0	.5	.2			201	201																	
90/89						.2	1.1	2.2	2.4	1.9	1.4	.9	.2				254	254																	
88/87						.8	1.4	1.7	1.4	1.5	1.2	1.1	.2				231	231																	
86/85				.0	.2	.7	1.7	1.0	1.4	1.4	1.6	.3					208	208																	
84/83				.1	.2	1.0	1.1	1.0	1.0	1.3	.8	.2					167	167	3																
82/81				.3	.6	1.0	1.2	.7	1.0	.9	.2						145	145	7																
80/79				.3	.8	1.0	.5	.9	.6	.4							109	109	75	2															
78/77			.2	.8	1.3	.5	.7	.7	.6	.3	.1	.0					133	133	261	4															
76/75	.0	.0	.3	.8	.5	.6	.5	.5	.5	.2	.1						101	101	404	32															
74/73		.2	.9	.7	.2	.6	.2	.4	.3								65	65	407	95															
72/71		.4	.9	.2	.2	.2	.1	.2	.1								48	48	340	183															
70/69	.0	.1	.3	.2	.2	.2	.1	.1	.1								33	33	334	339															
68/67		.1	.3	.3		.0	.0	.1									21	21	233	301															
66/65				.2	.1		.0										8	8	192	308															
64/63			.2	.2													11	11	105	244															
62/61	.0	.1	.1														5	5	65	199															
60/59																			39	198															
58/57																			31	175															
56/55																			8	155															
54/53																			4	109															
52/51																				78															
50/49																				46															
48/47																				19															
46/45																				7															
44/43																				7															
42/41																				2															
40/39																				5															
Element (X)	Σ X'	Σ X	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION    FORT RILEY KANSAS/MARSHALL AAF STATION NAME    38-49,56-72 YEARS    AUG MONTH  
PAGE 2    1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	.1	.9	2.6	4.1	4.3	6.7	9.0	10.6	12.9	14.2	12.2	7.6	6.1	4.0	2.7	1.4	.6	2508	2508	2508	2508	
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature							Total									
Rel. Hum.	6183681	118717	47.4	14.893	2504	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	19304098	218984	87.3	8.560	2508			92.1	88.3	74.8	27.7	93										
Wet Bulb	12797264	178714	71.3	4.995	2508			70.5	42.9	.9		93										
Dew Point	10210921	159167	63.5	6.612	2508			35.4	4.9	.0		93										

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

38-45,47-49,56-72

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
104/103																.0		2	2	
102/101															.0	.0		3	3	
100/99												.1	.1	.1	.2	.0	.0	12	12	
98/97									.0	.0	.2	.3	.4	.1		.1		29	29	
96/95										.2	.3	.3	.3	.2				35	35	
94/93						.0			.2	.4	.6	.7	.9	.3	.2	.0		76	76	
92/91						.0	.1	.4	1.2	1.2	.7	.6	.3	.1				107	107	
90/89					.0	.0	.6	1.6	1.6	1.2	.7	.5	.1					150	150	
88/87					.1	.9	1.4	1.7	.9	.8	.9	.3	.1					160	160	
86/85				.1	.4	1.7	2.5	2.0	1.2	1.0	.5	.1						221	221	
84/83			.2	1.3	2.0	2.0	1.2	1.1	.9	.3								211	211	1
82/81		.0	.9	1.3	1.9	1.9	1.3	1.3	.6	.2								223	223	3
80/79		.2	1.7	1.6	1.6	1.2	1.5	1.0	.3									213	213	26
78/77		.0	.4	1.7	1.3	.7	1.2	1.2	.3	.0								161	161	114
76/75		.2	1.3	1.5	1.9	1.1	1.1	.9	.3		.1							195	195	262
74/73		.6	1.7	1.3	.8	1.1	.5	.4	.1									150	150	344
72/71	.1	.3	1.2	1.3	1.2	.8	.5	.3	.0									143	143	351
70/69	.0	.7	.9	.9	.4	.4	.4	.2	.0									94	94	322
68/67	.1	.3	.6	.9	.4	.3	.2	.0										64	64	281
66/65		.2	.3	.4	.3	.2	.2											38	38	230
64/63		.0	.1	.5	.2	.1												21	21	172
62/61		.2	.2	.1	.1	.0												14	14	82
60/59		.1	.1	.0														5	5	72
58/57			.0															1	1	39
56/55				.0														1	1	20
54/53																				7
52/51																				2
50/49																				1
48/47																				14
46/45																				8
44/43																				3
42/41																				4
40/39																				3
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

13947 FORT RILEY KANSAS/MARSHALL AAF 38-45, 47-49, 56-72 AUG  
STATION STATION NAME YEARS MONTH

PAGE 2 1900-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
TOTAL	.2	3.1	6.9	11.5	11.5	12.9	13.9	12.9	9.7	6.9	4.5	3.2	1.6	.6	.3	.2	.0	2329	2329	2329	2329		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$S_x$		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	8573333		136513		58.6		15.671		2329		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	15359533		188239		80.8		7.901		2329				89.8	77.8	53.9	6.3	93						
Wet Bulb	11320782		101930		69.5		5.167		2329				68.0	29.9	.4		93						
Dew Point	9604000		148782		63.9		6.539		2329				38.6	6.1	.0		93						

USAFETAC FORM 7 JUL 64 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,48-49,56-72

AUG  
MONTH  
2100-2300  
HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
94/ 93												.1									2	2			
92/ 91												.0	.2	.1	.2	.1	.0					15	15		
90/ 89								.0	.2	.3	.4	.7	.1	.0	.0						42	42			
88/ 87							.1	.5	.6	.5	.4	.1									61	61			
86/ 85					.1	.8	.6	1.0	.7	.4	.4	.1									92	92			
84/ 83				.2	.7	1.5	.8	.7	.7	.6	.1										118	118			
82/ 81			.1	.7	1.9	2.3	1.2	.7	.3	.4		.0									171	171			
80/ 79			.4	2.4	2.5	1.6	1.1	1.0	.6	.2											220	220			
78/ 77		.1	1.6	3.5	1.8	1.0	1.1	.8	.1	.0											224	224	21	1	
76/ 75		.4	2.6	2.3	1.0	1.3	1.1	.3	.0												205	205	110	15	
74/ 73		1.3	2.4	2.3	1.0	1.0	.2	.3	.0												209	208	241	68	
72/ 71	.2	2.3	2.3	2.1	1.6	1.0	.6	.1	.0												228	228	362	189	
70/ 69	.3	2.0	2.1	1.8	1.1	.8	.4	.0													204	204	333	287	
68/ 67		1.6	1.9	1.5	.8	.6															145	145	284	306	
66/ 65	.1	1.1	1.7	1.0	.9	.3	.0														108	108	245	243	
64/ 63	.0	.7	1.3	.7	.4	.0	.0														73	73	208	201	
62/ 61		1.0	1.0	.5	.2	.0	.1														63	63	177	207	
60/ 59	.0	.5	.5	.5	.1	.0															39	39	106	220	
58/ 57		.2	.4	.1	.1																19	19	76	158	
56/ 55		.1	.2	.2																	12	12	47	130	
54/ 53		.0	.0																		2	2	23	79	
52/ 51		.1	.1																		4	4	10	70	
50/ 49																							10	36	
48/ 47																							2	14	
46/ 45																								10	
44/ 43																								7	
40/ 39																								2	
TOTAL	.7	12.1	10.8	19.7	13.8	12.3	8.3	5.7	3.5	2.7	1.8	.5	.1	.1							2255		2255	2255	
Element (X)	Zx²	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	11619159	158035	70.1	15.532	2255	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	2255													
Dry Bulb	12665458	168164	74.6	7.471	2255			79.8	56.0	25.9	.1	93													
Wet Bulb	10256778	151582	57.2	5.467	2255			55.7	15.3			93													
Dew Point	9150952	142926	63.4	6.390	2255			35.7	3.5			93													

USAF/ETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 56-70 YEARS SEP MONTH  
PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
92/ 91													.0					1	1	
90/ 89												.0	.0					2	2	
88/ 87												.0	.0					2	2	
86/ 85												.1	.1	.0				5	5	
84/ 83						.0				.0	.1	.1	.0	.1				11	11	
82/ 81					.1	.3	.0	.4	.2			.1	.1					26	26	
80/ 79			.0	.5	.8	.6	.3	.1	.1	.1								52	52	
78/ 77			.2	1.1	1.0	.9	.4	.1				.1						83	83	
76/ 75		.0	.6	1.0	1.1	.5	.4	.1				.3	.0					105	107	3
74/ 73		.2	1.3	1.8	.9	.7	.3		.1	.1	.0							123	124	19
72/ 71	.0	.5	1.8	1.4	1.2	.5	.4	.2	.1	.0								141	141	92
70/ 69	.3	.8	1.7	1.2	.7	.5	.0	.1		.0								119	119	128
68/ 67	.4	1.8	2.5	1.1	.9	.2	.4	.0	.1									168	168	183
66/ 65	.7	2.1	1.6	.9	.6	.3	.4	.3										153	153	190
64/ 63	.5	2.8	1.6	.9	1.1	.4	.2	.0										171	171	203
62/ 61	.5	2.4	1.1	1.4	1.1	.2	.3											157	157	161
60/ 59	.7	1.7	1.0	1.5	.9	.3												148	148	155
58/ 57	.4	1.6	1.7	1.0	.9	.3												131	131	114
56/ 55	.2	2.6	1.9	.8	.0	.0												136	136	188
54/ 53	.1	2.7	1.0	.2	.2	.0												95	95	170
52/ 51	.3	2.4	1.4	.8	.2													113	113	157
50/ 49	.3	1.9	1.7	.6	.2													107	107	137
48/ 47	.2	1.6	.9	.0	.1													65	65	100
46/ 45	.5	1.8	.1	.1														57	57	112
44/ 43	.3	.5	.2	.0														23	23	61
42/ 41	.1	.5	.1	.1														19	19	24
40/ 39	.0	.4	.2															14	14	14
38/ 37	.0	.2	.2															10	10	17
36/ 35	.1	.1																9	5	10
34/ 33	.1																	2	2	6
32/ 31																				11
30/ 29																				2
TOTAL	5.7	28.6	23.5	16.8	12.7	5.7	3.1	1.4	.7	.6	6	.3	.1					2244	2247	2244
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	14045403	174181	77.7	15.219	2243	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90								
Dry Bulb	9032224	140064	62.6	10.043	2247			33.7	16.5	2.9		90								
Wet Bulb	7709673	130127	58.0	8.544	2244			17.0	.9			90								
Dew Point	6944416	123134	54.9	9.149	2244			.5	8.7	.1		90								

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 64

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point															
88/ 87									.0	.0																						2	2		
86/ 83										.0																						1	1		
84/ 83									.0	.0																					5	5			
82/ 81								.1		.0	.0	.2																			9	9			
80/ 79				.0	.1	.3	.3	.1	.2	.3																					29	29			
78/ 77				.0	.5	.7	.5	.3	.1	.0	.0																				51	51			
76/ 75		.1	.6	1.2	.9	.5	.1																								60	80		1	
74/ 73		.2	1.9	1.5	.8	.1	.2	.0	.0	.1	.0																				111	111	10	1	
72/ 71		.6	1.8	.7	1.0	.3	.3	.0	.0	.0																					108	111	57	13	
70/ 69	.1	1.8	1.7	1.0	.7	.2	.0	.2	.1	.1																					132	132	130	60	
68/ 67	.5	2.4	2.1	.8	.9	.2	.0	.0	.0																						153	153	161	138	
66/ 65	.7	2.8	1.2	1.0	.4	.3	.1	.2																							152	152	195	153	
64/ 63	.6	3.2	1.6	1.1	.4	.3	.1																								164	164	160	170	
62/ 61	.9	3.0	1.0	.9	.7	.7	.2																								171	171	186	173	
60/ 59	.9	2.9	1.7	1.4	.7	.3	.1																								163	183	146	163	
58/ 57	.4	2.3	1.3	1.1	.5	.2																									132	132	145	150	
56/ 55	.4	2.5	1.9	1.1	.8	.1																									155	155	157	137	
54/ 53	.3	3.0	1.1	.6	.0	.0																									115	115	158	127	
52/ 51	.3	3.1	.6	.4	.1																										100	100	188	168	
50/ 49	.5	2.2	1.0	.4	.2																										98	98	145	155	
48/ 47	.4	2.0	1.5	.2																											93	93	92	118	
46/ 45	.5	2.5	.8	.2																											92	92	98	130	
44/ 43	.7	1.4	.3	.0																											58	58	120	117	
42/ 41	.5	1.0	.0	.0																											38	38	65	128	
40/ 39	.3	.4	.2																												20	20	26	75	
38/ 37	.1	.3	.3																												16	16	14	42	
36/ 35	.1	.2	.0																												9	9	14	30	
34/ 33	.1	.1																													4	4	12	14	
32/ 31	.0	.1																													3	3	3	15	
30/ 29																																	1	7	
TOTAL	8.2	37.8	22.0	14.3	8.9	4.0	1.8	.6	.8	.5	.2																				2284	2287	2284	2284	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	15593488	185896	81.4	14.246	2284	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	8577609	138151	60.4	10.081	2287		.1	26.9	11.3	1.1		90
Wet Bulb	7536362	129548	56.7	8.939	2284		.2	14.1	4.4			90
Dew Point	6903683	123717	54.2	9.414	2284		.9	8.4	.0			90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-49,56-72 SEP  
STATION STATION NAME YEARS MONTH  
PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point															
92/ 91																																	1	1	
90/ 89																				.0													1	1	
88/ 87																					.0				.0								2	2	
86/ 85																					.1	.1	.0			.0							6	6	
84/ 83																					.1	.1	.0										5	5	
82/ 81																					.2	.4	.1	.1	.0								23	23	
80/ 79																					.1	.2	.0	.0	.0								51	51	1
78/ 77																					.2	.1	.1	.0	.0								76	76	1
76/ 75																					.1	.2	.1	.0	.1								113	113	5
74/ 73																					.2	.1	.1	.0	.1								105	105	24
72/ 71																					.3	.2	.1	.0	.1								132	137	95
70/ 69																					.4	.2	.1	.0	.1								151	152	148
68/ 67																					.5	.2	.1	.0	.1								153	153	182
66/ 65																					.6	.1	.1	.0	.1								190	190	188
64/ 63																					.7	.5	.1	.1	.0								198	198	191
62/ 61																					.8	.4	.3	.1	.0								172	172	193
60/ 59																					.9	.6	.4	.3	.1								189	189	170
58/ 57																					.0	.7	.5	.0	.1								173	173	169
56/ 55																					.1	.8	.6	.5	.0								135	135	167
54/ 53																					.2	.9	.7	.6	.5								123	123	209
52/ 51																					.3	.0	.8	.7	.6								101	101	180
50/ 49																					.4	.1	.9	.8	.7								89	89	125
48/ 47																					.5	.0	.0	.9	.8								79	79	99
46/ 45																					.6	.0	.1	.0	.9								68	68	103
44/ 43																					.7	.0	.2	.0	.0								65	65	92
42/ 41																					.8	.0	.3	.1	.0								29	29	64
40/ 39																					.9	.0	.4	.0	.0								22	22	31
38/ 37																					.0	.1	.5	.0	.0								7	7	12
36/ 35																					.1	.2	.6	.0	.0								8	8	14
34/ 33																					.2	.3	.7	.0	.0								6	6	7
32/ 31																					.3	.4	.8	.0	.0								2	2	5
30/ 29																					.4	.5	.9	.0	.0								1	1	6
28/ 27																					.5	.6	.0	.0	.0								4	4	4
26/ 25																					.6	.7	.1	.0	.0								2	2	1
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>	X̄	s <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-43,56-72 SEP  
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
104/103																.0																	1	1			
100/99																										.0								3	3		
98/97																									.0								2	2			
96/95																	.0								.1	.1	.0						4	4			
94/93																								.2	.2	.0	.0					12	12				
92/91																	.1	.1	.3	.2	.3					.1	.0					27	27				
90/89																.0	.1	.6	.4	.2	.1	.0	.1									41	41				
89/87																.2	.5	.8	.9	.5	.2	.1	.1	.0								84	84				
86/85																.6	1.2	.8	.4	.4	.1	.2	.1	.1	.0								99	99			
84/83				.0	.0	.5	1.4	1.0	1.0	.4	.1	.2	.2	.0																		126	126				
82/81				.2	.7	1.4	.9	.4	.6	.2	.2	.1	.1																			113	118	1			
80/79			.1	.4	1.3	1.1	1.1	.5	.4	.3	.3	.1																				138	138	1			
78/77		.0	.2	.6	1.2	.8	1.0	.8	.5	.4	.3	.1																				150	150	10	1		
76/75		.0	.4	.8	1.1	.8	1.1	1.0	.9	.6	.3																					145	145	73	3		
74/73			.3	.5	1.1	1.3	1.2	1.3	1.4	.7	.4	.1																				208	208	163	16		
72/71		.1	.3	1.0	1.3	1.3	1.0	1.4	.6	.4	.0																					185	185	205	69		
70/69		.1	.7	1.4	.7	.0	1.5	1.5	.8	.4	.2																					202	202	193	145		
68/67		.1	.9	1.6	1.3	.8	1.2	.9	.6	.2	.0																					189	189	187	169		
66/65		.1	1.4	1.2	.8	.9	1.1	.8	.2	.0																						164	164	222	191		
64/63		.1	.5	.9	1.0	1.0	.6	.5	.2																							132	132	237	220		
62/61		.1	.6	.7	1.0	.9	.8	.6	.1																							109	109	205	183		
60/59		.1	.5	.3	.8	.6	.5	.2	.1																							96	96	233	170		
58/57		.0	.9	.8	.5	1.0	.2	.2																								94	94	193	160		
56/55		.0	.6	.4	.2	1.4	.3	.2																								53	53	175	134		
54/53		.1	.4	.2	.3	.3	.0																									32	32	123	200		
52/51		.0	.1	.3	.3	.2	.1																									26	26	102	171		
50/49		.0	.2	.3	.4	.0	.0																									26	26	57	162		
48/47		.0	.1	.2	.1	.1																										16	16	44	95		
46/45		.1	.2	.1	.1	.1																										13	13	36	99		
44/43			.1	.1	.0																											7	7	30	120		
42/41		.1	.1	.0																												7	7	13	66		
40/39																																		5	52		
38/37																																	3	32			
36/35																																	1	24			
Element (X)	Σx <sup>2</sup>		Σx		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature							Total																			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 28-49,56-72 YEARS  
 PAGE 2 0900-1100 MONTH HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
34/ 33																					12
32/ 31																					11
30/ 29																					4
28/ 27																					2
26/ 25																					3
TOTAL	1.1	8.3	11.1	11.9	14.2	15.2	14.3	9.5	6.1	3.6	2.0	1.3	.6	.6	.2	.1		2514		2514	
																	2514		2514		

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10321519	155113	61.7	17.288	2514	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	13118286	179756	71.5	10.276	2514			62.3	41.6	21.6	.7	90
Wet Bulb	9919913	156649	62.3	7.955	2514			29.8	6.9	.0		90
Dew Point	8249425	142027	56.5	9.477	2514			.7	14.4	.7		90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 38-49,56-72

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
110/109																		.1	2	2				
108/107																		.0	1	1				
106/105																	.0	.1	4	4				
104/103																		.2	6	6				
102/101																	.1	.2	7	7				
100/99												.0	.0	.0	.1	.1	.1	.0	11	11				
98/97												.0	.2	.2	.2	.2	.0	.1	25	25				
96/95												.1	.3	.6	.4	.2	.2		50	50				
94/93										.1	.2	1.0	.6	.6	.2	.3	.2		77	77				
92/91					.0		.1	.6	.9	1.2	.8	.6	.2	.2	.1	.0			120	120				
90/89						.1	.2	1.1	1.0	.8	1.0	.6	.2	.2	.2	.0			134	134				
88/87						.1	.5	.9	1.2	1.0	1.0	.8	.4	.1	.1				154	154				
86/85				.1	.1	.4	1.1	.8	1.0	.4	.0	.8	.4	.1					143	143				
84/83				.1	.1	.4	.7	1.1	1.0	.8	.7	.4	.2	.0					141	141	1			
82/81			.0	.1	.3	1.1	.6	1.0	.7	.8	.8	.5	.1						151	151	1			
80/79				.1	.8	.8	1.3	1.0	1.2	.9	.8	.4							186	186	8			
78/77			.1	.4	.8	.8	1.0	1.0	1.4	1.0	.8	.2							188	188	55			
76/75		.1	.3	.6	1.0	.9	1.2	1.2	1.3	1.0	.2	.1							196	196	144			
74/73	.0	.1	.3	.7	.5	.4	.8	1.5	.7	.7	.2								153	153	173			
72/71	.1	.3	.4	1.0	.4	.7	1.2	.5	.6	.4	.1								142	142	222			
70/69		.5	.6	1.0	.4	.8	.9	.7	.7	.4	.0								148	148	234			
68/67		.4	.4	.4	.4	.3	.5	.8	.5	.1									95	96	254			
66/65	.0	.3	.5	.5	.2	.2	.6	.4	.3	.0									78	79	213			
64/63	.2	.5	.1	.3	.4	.3	.3	.2	.2										62	62	238			
62/61		.3	.4	.4	.3	.6	.2	.2	.0										64	64	201			
60/59		.1	.4	.3	.2	.1	.1	.3											44	44	226			
58/57		.5	.6	.2	.1	.3	.0	.1											46	46	143			
56/55	.1	.2	.2	.2	.1	.2	.0												23	23	115			
54/53		.2	.1	.0	.0	.1													11	11	101			
52/51	.1	.2	.1	.1	.1	.2													19	19	69			
50/49	.1	.1	.3	.2	.0	.2													21	21	35			
48/47	.1	.0	.0	.1	.1	.0													10	10	33			
46/45		.1																	2	2	24			
44/43		.1																	3	3	14			
Element (X)	Σx²	Σx	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 SEP  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
42/ 41	.0																	1	1	12	76
40/ 39																				1	46
38/ 37																				1	43
36/ 35																					33
34/ 33																					21
32/ 31																					16
30/ 29																					12
28/ 27																					3
TOTAL	.7	4.0	5.0	6.6	6.5	9.2	11.3	13.3	12.8	10.3	8.3	5.8	2.3	1.4	1.1	.5	.8	2518	2520	2518	2518
Element (X)	Σx <sup>2</sup>	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Ref. Hum.	7275490	127516	50.6	18.020	2518	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90									
Dry Bulb	15496752	195676	77.6	10.961	2520			76.3	62.5	40.5	6.5	90									
Wet Bulb	10569169	161973	64.3	7.722	2518			39.0	13.7	.1		90									
Dew Point	8178993	141339	56.1	9.875	2518		1.1	14.8	1.3	.0		90									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS SEP MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
42/ 41			.0															1	1	10	79
40/ 39																				3	64
38/ 37																					41
36/ 35																					31
34/ 33																					26
32/ 31																					16
30/ 29																					6
26/ 25																					2
TOTAL	.5	4.0	4.3	5.3	6.7	8.8	10.9	13.1	13.8	9.4	8.3	6.5	3.6	1.6	1.1	.8	1.2	2494	2497	2494	2494

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6873823	122877	49.3	18.087	2492							
Dry Bulb	15590020	195408	78.3	10.926	2497			77.7	64.6	42.6	8.1	90
Wet Bulb	10470812	160500	64.4	7.545	2494			38.1	13.4	.0		90
Dew Point	8006582	139174	55.8	9.815	2494			.9	13.8	1.4		90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/NAC

# PSYCHROMETRIC SUMMARY

1947 FORT RILEY KANSAS/MARSHALL AAF 38-45, 47-49, 56-72 SEP  
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
106/105																.0	1	1			
100/99																.0	1	1			
98/97														.0	.0	.1	.0	5	5		
96/95														.0	.1	.1	.1	6	6		
94/93								.0	.0	.0	.0	.1	.1	.0	.1	.0	13	13			
92/91							.0	.1	.1	.3	.2	.1	.1	.1	.1	.0	23	23			
90/89						.1	.2	.6	.3	.2	.1	.1	.0	.1			43	43			
88/87					.1	.3	.5	.4	.2	.3	.1	.3	.0				52	52			
86/85					.1	.6	.7	.6	.3	.3	.1	.1	.1				68	68			
84/83					.3	.7	1.5	.6	.5	.2	.2	.2					99	100			
82/81			.1	.5	.9	.9	.8	.7	.2	.2	.0	.1					106	107			
80/79		.2	.6	.9	1.6	1.6	.7	.5	.5	.1	.1	.0					158	158	2		
78/77		.1	.0	.9	1.2	1.1	1.0	.6	.5	.4	.2	.0					143	143	7		
76/75	.0	.2	.6	1.2	.7	.9	.8	.6	.5	.4	.3	.1					150	150	44	6	
74/73	.0	.3	.8	1.4	1.4	.8	1.3	.9	.4	.3	.1						181	181	113	19	
72/71	.1	.4	.8	1.2	.8	1.2	1.1	.5	.3	.3							154	154	173	42	
70/69	.2	.6	1.4	1.5	1.0	1.5	1.0	.6	.3								189	189	204	111	
68/67	.3	.5	1.2	.9	1.5	1.2	.7	.5	.1								158	158	217	164	
66/65	.8	1.2	1.1	1.5	1.2	.9	.4	.1									169	169	200	177	
64/63	.3	1.0	.9	1.5	.8	.6	.5	.2									136	136	198	173	
62/61	.0	.9	.6	1.1	.9	.7	.3	.0									108	108	209	177	
60/59	.0	.6	.8	.9	.8	.7	.3	.1									101	101	193	166	
58/57	.0	.4	.9	.9	.6	.4	.0	.1									81	81	188	138	
56/55	.1	.5	.6	.8	.2	.3											60	60	153	176	
54/53	.0	.6	.6	.3	.6	.1											54	54	138	182	
52/51	.3	.2	.1	.3													19	19	114	151	
50/49	.1	.3	.2	.1	.1												21	21	66	122	
48/47		.2	.3	.3													17	17	39	135	
46/45		.1	.2	.1	.0												10	10	38	100	
44/43		.0	.1														4	4	15	76	
42/41		.1	.0														4	4	17	77	
40/39			.0														1	1	5	52	
38/37	.0																1	1	3	38	
36/35																				25	
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total				
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAF ETAC FORM 7-64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FURT RILEY KANSAS/MARSHALL AAF STATION NAME 38-45,47-49,56-72 YEARS SEP MONTH

PAGE 2 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
34/ 33																					12				
32/ 31																					5				
30/ 29																					6				
TOTAL	1.3	7.9	11.7	15.2	14.1	14.1	13.1	8.1	5.7	3.2	2.3	1.0	.9	.4	.4	.3	.2		2339		2336				
																		2336		2336					

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Ref. Hum.	9760770	145348	62.2	17.524	2336			59.8	40.5	19.2	1.0	90
Dry Bulb	12022897	165995	71.0	10.184	2336			29.3	6.4			90
Wet Bulb	9097580	144646	61.9	7.772	2336			.4	13.2	1.0		90
Dew Point	7563393	131129	56.1	9.315	2336							90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72 SEP  
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-12	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
96/95														.0	.0		.0	3	3	
94/93													.0					1	1	
92/91														.0				1	1	
90/89											.1							5	5	
88/87										.0	.0	.1						4	4	
86/85						.0	.2	.2	.1	.1	.1	.2	.1					23	23	
84/83					.1	.2	.4	.4	.2	.2	.1	.1						40	40	
82/81				.0	.5	1.1	.5	.3	.4		.0							65	65	
80/79			.1	.3	.9	1.0	.7	.1	.1	.0								77	78	
78/77			.2	.6	1.1	.9	.5	.4	.0	.0	.1	.0						92	94	1
76/75		.0	1.0	1.2	1.1	.9	.6	.4	.0	.2								127	122	7
74/73		.3	.9	1.0	1.2	.6	.7	.2	.0	.0	.1							136	136	49
72/71		.3	1.5	1.6	1.0	.8	.2	.4	.0	.1								133	133	113
70/69	.1	1.3	1.0	1.6	.8	1.4	.3	.3	.3	.1								180	180	153
68/67	.2	1.5	1.8	1.1	1.2	.4	.6	.3	.2									165	165	195
66/65	.3	1.6	1.1	1.5	1.3	.8	.3	.2	.0									174	174	208
64/63	.2	1.9	1.0	.9	1.3	.5	.3	.1										139	139	186
62/61	.4	2.1	1.6	1.5	1.1	.5	.2	.0										169	169	162
60/59		1.5	2.2	1.2	1.2	.6												151	153	161
58/57	.1	1.6	1.5	1.3	1.1	.3	.0											137	137	169
56/55	.2	1.7	1.4	1.5	.4	.0	.0											120	120	211
54/53	.2	1.3	1.4	.7	.4	.2	.1											97	97	145
52/51	.1	1.3	.9	.6	.4	.1												78	78	161
50/49	.3	.9	1.1	.2	.1													59	59	127
48/47	.1	.7	.4	.0														29	29	73
46/45	.0	.5	.1	.1	.0													18	18	64
44/43		.4	.2	.0														15	15	27
42/41	.0	.5	.3															18	18	26
40/39		.2	.1															7	7	11
38/37	.0	.2	.0															7	7	16
36/35		.0																1	1	4
34/33																				11
32/31																				7
28/27																				3
Element (X)	ΣX'		ΣX		X̄		σ <sub>x</sub>		N <sub>o.</sub> Obs.		Mean No. of Hours with Temperature									
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947  
STATION

FORT RILEY KANSAS/MARSHALL AAF  
STATION NAME

39-45, 47-49, 56-72  
YEARS

SEP  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
TOTAL	2.4	20.3	20.4	18.2	15.4	10.4	5.7	3.2	1.4	.7	.7	.5	.4	.1	.0	.0	.0	2268	2271	2269
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	12469323	164227		72.4	16.030	2269	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90							
Dry Bulb	9909345	148301		65.3	9.955	2271			41.6	22.7	7.0	.7	90							
Wet Bulb	8136681	134607		59.3	8.165	2269			20.5	2.3			90							
Dew Point	7140613	125523		55.4	9.044	2269		.4	9.8	.3			90							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUL 64

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF

39-45, 47-49, 56-70

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
80/ 79								.0	.0									7	7	
78/ 77								.0		.0								2	2	
76/ 75				.3	.1	.2		.1	.1									18	18	
74/ 73		.1	.2	.5	.2	.3	.0	.1	.1									34	34	1
72/ 71		.1	.4	.4	.2	.5	.1	.0	.1	.1								43	43	4
70/ 69		.1	.4	.6	.9	.6	.2	.0	.2									68	68	15
68/ 67		.6	.5	.4	.9	.7	.4	.1	.0	.0								74	74	32
66/ 65		.4	1.0	1.1	.6	.3	.1	.1	.1	.1								91	91	41
64/ 63	.2	1.4	.6	.6	.5	.9	.3	.1	.0									109	109	60
62/ 61	.2	.9	.9	1.0	1.2	.9	.5	.1										126	126	107
60/ 59	.3	1.8	.9	.5	1.2	.4	.1	.1	.0									125	125	100
58/ 57	.3	1.7	1.3	.7	.9	.5	.2	.0										132	132	126
56/ 55	.9	2.0	1.2	1.5	.6	.6	.3	.1										183	183	167
54/ 53	.5	.9	1.6	1.1	.9	.5												134	134	154
52/ 51	.1	1.4	1.8	1.1	.5	.4	.2											126	126	131
50/ 49	.9	2.2	1.9	1.2	.9	.1	.0											159	159	178
48/ 47	.7	2.2	2.0	.8	.0													145	145	150
46/ 45	.8	2.7	1.8	.8	.3													150	150	206
44/ 43	.8	2.0	1.7	.6	.1													135	135	180
42/ 41	.6	1.7	.9	.0	.1													92	92	144
40/ 39	.4	2.2	1.3	.4	.0													101	101	121
38/ 37	.4	2.1	.9	.1														83	83	112
36/ 35	.4	1.3	.7	.1														60	60	95
34/ 33	.2	1.5	.4															48	48	75
32/ 31	.1	1.3	.1															35	35	48
30/ 29	.2	.4	.2	.0														19	19	35
28/ 27	.2	.3	.1															14	14	14
26/ 25	.1	.4	.0															13	13	16
24/ 23		.0																1	1	9
22/ 21																				19
20/ 19																				16
18/ 17																				4
16/ 15																				7
																				2

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FLPT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-70 ECT  
STATION STATION NAME YEARS MONTH  
PAGE 2 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	9.1	33.1	22.5	16.3	9.8	6.4	2.6	.8	.7	.6	.0							2322	2322	2322	2322

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	14368400	178508	76.9	16.601	2321							
Dry Bulb	6581465	120985	52.1	10.938	2322		3.3	9.7	2.2			93
Wet Bulb	5588810	111692	48.1	9.652	2322		4.9	2.1	.1			93
Dew Point	4825647	103027	44.4	10.468	2322		13.4	.9	.0			93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-49,56-72 YEARS

007 MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
76/ 75				.1	.0	.1												5	5	
74/ 73			.1	.1	.1	.0	.0	.0										12	12	
72/ 71		.1	.3	.4	.3	.1	.1	.0	.1	.0								37	37	1
70/ 69	.0	.2	.7	.1	.3	.3	.9	.1	.1	.0								45	45	4
68/ 67		.4	.5	.4	.4	.3	.2	.1	.1									56	56	3
66/ 65	.2	.8	1.3	.7	.6	.3	.1	.0	.0									95	95	42
64/ 63	.1	1.1	.6	.6	.3	.3	.2	.2	.1									80	90	42
62/ 61	.6	1.0	1.2	.8	.6	.4	.1	.1	.0									113	113	91
60/ 59	.6	1.8	1.3	.9	.8	.2	.0	.0										134	134	97
58/ 57	.4	1.8	1.0	.8	.7	.2	.0	.1										120	120	118
56/ 55	.9	1.8	1.1	1.1	.9	.2	.1											144	144	157
54/ 53	.9	1.4	1.5	1.4	.8	.2	.0											151	151	119
52/ 51	.4	1.9	1.6	1.1	.8	.4	.0											147	147	148
50/ 49	.4	2.0	1.9	.9	.6	.3	.0											146	146	149
48/ 47	.5	2.3	2.0	.7	.8	.0												158	158	153
46/ 45	.8	3.0	1.2	1.1	.4													155	155	187
44/ 43	1.3	2.1	1.4	.9	.1													137	137	193
42/ 41	1.3	2.4	1.7	.7														145	145	147
40/ 39	1.0	2.1	.7	.3														99	99	170
38/ 37	.8	2.2	.6	.3	.0													93	93	133
36/ 35	.7	1.8	.8	.0														79	79	101
34/ 33	.4	2.1	.6		.0													74	74	75
32/ 31	.3	1.4	.1															45	45	70
30/ 29	.3	1.2	.3															41	41	53
28/ 27	.7	.3	.1															27	27	43
26/ 25	.3	.2																10	10	16
24/ 23	.2	.3																11	11	13
22/ 21	.1																	2	2	5
20/ 19																				10
18/ 17																				3
16/ 15																				3
14/ 13																				1
TOTAL	13.1	36.3	22.5	13.6	8.7	3.3	1.1	.8	.0	.1								2361	2361	2360
Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	15635799	188545	79.9	15.579	2360	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	6176810	117970	50.0	10.937	2361		5.4	6.1	.7			93								
Wet Bulb	5372454	110164	46.7	9.919	2361		7.9	1.5				93								
Dew Point	4718867	102509	43.4	10.625	2360		15.7	.6				93								

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 OCT  
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
78/ 77					.0			.0	.0									3	3						
76/ 75			.0		.1	.1	.2	.0										10	10						
74/ 73			.2	.3	.2	.1	.2	.2	.0									31	31						
72/ 71		.0	.3	.3	.1	.1	.1	.1										33	33	2					
70/ 69		.2	.7	.4	.2	.2	.2	.2	.0									54	54	11	3				
68/ 67		.5	.5	.5	.3	.3	.2	.2										62	62	26	11				
66/ 65		.1	1.0	.8	.5	.3	.2	.2	.1	.0								82	82	49	34				
64/ 63	.3	.9	1.0	.6	.4	.4	.3	.1	.0									102	102	57	34				
62/ 61	.4	1.2	1.6	.9	.5	.3	.1	.2										134	134	86	53				
60/ 59	.7	1.4	.9	.6	.8	.4	.1	.1	.0									135	135	120	92				
58/ 57	.5	2.4	1.1	1.2	.8	.2	.1											159	159	155	99				
56/ 55	.6	1.5	1.6	1.2	.8	.5												158	158	130	154				
54/ 53	.3	1.8	1.7	1.2	.4	.5	.1											158	159	145	103				
52/ 51	.4	1.8	2.3	1.3	.3	.4	.0											175	175	173	115				
50/ 49	.4	2.2	1.6	1.1	.5	.0	.0											151	152	171	139				
48/ 47	.4	2.3	1.9	.6	.4	.2												150	150	182	155				
46/ 45	.6	2.8	1.1	1.5	.2	.0												167	167	202	175				
44/ 43	.7	2.6	1.6	.7	.2	.0												149	150	184	183				
42/ 41	.9	2.1	1.6	.9	.9	.0	.0											140	141	158	195				
40/ 39	1.0	2.2	1.4	.2	.0	.0												124	125	174	169				
38/ 37	.9	2.0	.9	.6														106	106	142	141				
36/ 35	.6	1.6	.7	.1														81	81	112	164				
34/ 33	.4	1.3	.3	.0														50	51	72	129				
32/ 31	.4	1.3	.3	.0														51	51	79	113				
30/ 29	.4	.9	.1															34	34	44	103				
28/ 27	.3	.8	.1															29	29	40	61				
26/ 25	.2	.1	.1															10	10	18	54				
24/ 23	.2	.1																7	7	9	32				
22/ 21	.0	.1																3	3	6	14				
20/ 19																				1	8				
18/ 17																					7				
16/ 15																					5				
14/ 13																					1				
12/ 11																					2				
Element (X)	Σx'	Σx	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS OCT MONTH

PAGE 2 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	11.1	34.2	24.9	15.2	7.2	4.0	1.8	1.2	.4	.0								2548	2554	2548	2548

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	16393977	200649	78.7	15.263	2548							
Dry Bulb	6834916	129140	50.6	10.932	2554		4.9	7.0	1.6			93
Wet Bulb	9988678	119892	47.1	9.855	2548		7.2	1.4				93
Dew Point	5140551	111245	43.7	10.553	2548		14.6	.5				93

USAFETAC FORM 700-04 0-26-5 (O.L.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49, 56-72 GCT  
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
90/ 89											.0	.0	.0	.1								5	5		
88/ 87											.0	.0	.1	.0								5	5		
86/ 85									.0	.1	.0	.2	.0	.1								11	11		
84/ 83								.1	.1	.1	.2	.1	.1									12	10		
82/ 81					.0	.0	.2	.2	.3	.3	.2	.1										35	35		
80/ 79				.0	.1	.2	.3	.5	.6	.2	.2	.2										56	56		
78/ 77			.0	.1	.3	.5	.7	.3	.7	.3	.2	.1	.1									84	84		
76/ 75			.1	.2	.4	.3	.7	1.0	.5	.3	.1	.0										96	96		
74/ 73			.3	.4	.7	.6	.3	.6	.7	.3	.2	.0										107	107	3	
72/ 71	.0	.3	.7	.7	.8	1.0	.8	.5	.2	.1	.1											133	133	18	1
70/ 69	.1	.5	.7	1.0	.6	.9	1.0	.5	.3	.1												145	145	45	9
68/ 67	.0	.5	.7	.9	1.0	1.5	.9	.3	.2													153	153	79	26
66/ 65	.0	.2	.7	1.0	.8	1.0	1.3	.7	.4	.1	.0											164	164	98	46
64/ 63	.1	.5	.8	.7	1.0	1.1	.7	.8	.1													144	144	140	58
62/ 61	.1	.8	.7	.7	1.1	1.2	1.1	.5	.3	.0												167	167	172	81
60/ 59	.1	1.2	.8	1.0	1.3	1.0	.8	.6	.2													184	184	198	95
58/ 57	.2	.8	.7	1.2	1.7	.7	1.3	.3	.0													179	179	192	144
56/ 55	.3	.9	.6	1.2	1.1	1.0	.5	.2														150	150	210	143
54/ 53	.1	1.0	1.0	1.2	.9	.8	.5															143	143	203	150
52/ 51	.2	.6	1.1	1.1	1.5	.8	.1															148	148	200	141
50/ 49	.1	1.0	.8	.9	1.3	.1	.1															121	121	202	161
48/ 47	.2	.7	.8	1.0	1.1	.4																107	107	180	186
46/ 45	.0	.5	.7	1.0	.4	.1																72	72	167	212
44/ 43		.3	.8	.8	.3	.0																57	57	141	168
42/ 41		.5	.6	.4	.1	.0																43	43	124	151
40/ 39		.2	.6	.3	.1																	31	31	92	128
38/ 37		.1	.2	.2																		12	12	57	117
36/ 35		.1	.2	.2																		11	11	27	153
34/ 33	.1	.1	.2	.0																		10	10	21	106
32/ 31		.1	.0																			4	4	16	104
30/ 29		.1																				3	3	9	83
28/ 27																								4	39
26/ 25																									36
24/ 23																									30
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49.56-72 YEARS OCT MONTH

PAGE 2 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
22/ 21																					12
20/ 19																					6
18/ 17																					2
16/ 15																					1
14/ 13																					1
TOTAL	1.5	10.1	11.3	0.1	2.6	10.7	12.9	11.9	3.3	5.1	2.5	1.3	.7	.3	.1		2593	2594	2598	2598	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	10259370	136146	60.2	18.2	2594							
Dry Bulb	9988282	158408	61.0	10.9	2598		.3	30.4	14.9	3.7		93
Wet Bulb	7451955	137259	52.8	8.7	2598		1.0	5.2	.1			93
Dew Point	5741061	118985	45.8	10.5	2598		11.2	1.3				93

USAF ETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 YEARS OCT

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
96/ 97																	.1	2	2		
96/ 95																	.1	6	6		
94/ 93													.1			.0	.1	7	7		
92/ 91												.2	.1	.3	.2	.1	.0	23	23		
90/ 89								.0	.1	.0	.1	.3	.1	.3	.0			26	26		
88/ 87								.1	.3	.2	.2	.3	.5	.2	.1			51	51		
86/ 85						.0	.1	.2	.2	.5	.9	.6	.3					73	73		
84/ 83						.1	.3	.4	.6	.5	.6	.3	.3	.2	.0			84	84		
82/ 81					.1	.2	.3	.9	.7	1.0	.9	.5	.2	.1				122	122		
80/ 79				.1	.2	.4	.6	.9	1.0	.8	.6	.4	.2					136	136		
78/ 77				.1	.2	.7	.9	.7	1.4	.9	.9	.5	.0	.0				164	164		
76/ 75			.1	.1	.2	.6	.8	1.0	1.0	1.2	.9	.4	.0					163	153	3	
74/ 73			.1	.1	.6	.6	.6	1.0	.9	1.4	.8	.2						167	163	18	
72/ 71		.1	.1	.3	.4	.8	.7	1.1	1.1	1.1	.5	.0						162	162	42	
70/ 69		.1	.2	.4	.8	.9	.7	1.2	1.0	.9	.3							159	159	84	
68/ 67		.0	.3	.4	.5	.5	1.2	1.1	.9	.8	.1							148	148	120	
66/ 65		.2	.4	.3	.3	.7	.6	.9	1.0	.4	.0	.0						129	129	174	
64/ 63		.5	.4	.2	.3	.6	.7	1.0	.6	.3	.1							124	124	223	
62/ 61	.0	.4	.3	.4	.7	.9	.8	1.2	.8	.0								142	142	210	
60/ 59	.2	.4	.2	.4	.5	.9	1.2	.8	.2	.1								129	129	187	
58/ 57	.0	.6	.8	.3	.7	.8	.9	.5	.1									122	122	197	
56/ 55	.0	.6	.4	.5	.4	.7	.9	.6										105	105	237	
54/ 53	.0	.2	.8	.3	.4	.8	.8	.1										89	89	195	
52/ 51	.0	.5	.3	.1	.5	.7	.3											64	64	173	
50/ 49	.2	.6	.0	.3	.5	.7	.1											63	63	191	
48/ 47	.1	.3	.2	.2	.4	.3	.1											44	44	145	
46/ 45	.0	.3	.3	.2	.3	.0												31	31	113	
44/ 43	.0	.1	.2	.2	.2	.1												22	22	102	
42/ 41	.1	.2	.0	.1		.0												13	13	71	
40/ 39		.2	.1	.1														9	9	50	
38/ 37			.0		.1													3	3	25	
36/ 35				.0	.0													2	2	10	
34/ 33	.1	.0	.0															4	4	9	
32/ 31		.1	.0															3	3	2	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION      FGST RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      OCT MONTH      PAGE 2      1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3	4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
30/ 29		.0																		1	1	6	77
28/ 27																						1	54
26/ 25																							47
24/ 23																							37
22/ 21																							18
20/ 19																							3
18/ 17																							12
16/ 15																							2
12/ 11																							1
TOTAL		5.0	5.4	5.2	8.4	11.0	12.8	13.6	11.9	10.2	7.0	3.6	1.8	1.1	.4	.2	.2		2588		2588	2588	
																			2588		2588		

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6879552	123930	47.9	19.112	2588	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	12397254	176552	68.2	11.601	2588		.1	53.5	36.7	17.0	.5	93
Wet Bulb	8272405	144637	55.9	8.547	2588		.3	9.6	.8			93
Dew Point	5732300	11826	45.7	11.162	2588		12.7	1.8				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 OCT 1947  
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
100/ 99																	.0	1	1	
98/ 97																	.1	2	2	
96/ 95														.0	.0	.0	.2	8	8	
94/ 93													.1	.2		.0	.0	9	9	
92/ 91							.0			.0	.1	.1	.1	.2	.1			16	16	
90/ 89								.0	.2	.0	.2	.2	.3	.1	.0			25	25	
88/ 87						.0	.1	.3	.2	.3	.3	.6	.1	.0				51	51	
86/ 85							.4	.3	.7	.5	.6	.4	.1					73	73	
84/ 83						.2	.3	.6	.6	.5	.5	.4	.0					80	80	
82/ 81						.2	.4	.9	.9	.7	.5	.5	.4	.0				120	120	
80/ 79			.0	.1	.0	.3	.8	1.4	1.0	1.0	.9	.6	.4	.0				169	169	1
78/ 77			.0	.1	.1	.3	.7	1.0	1.0	.9	.7	.3	.1	.1				137	137	
76/ 75			.1	.2	.3	.5	1.0	1.1	.9	.9	.7	.4						153	153	4
74/ 73			.1	.2	.4	.8	.5	.7	1.3	1.2	1.0	.2						105	105	10
72/ 71		.1	.1	.2	.6	.8	.8	.8	1.0	1.2	.5							158	158	47
70/ 69		.0	.2	.5	.3	.7	.8	1.2	1.5	1.0	.4							173	173	65
68/ 67		.2	.4	.5	.7	.5	.9	1.3	1.0	.4	.1							153	153	140
66/ 65	.0	.2	.6	.3	.3	.7	.5	.9	1.4	.5	.0							143	143	165
64/ 63		.2	.3	.2	.6	.7	.4	1.2	.7	.7								131	131	245
62/ 61	.0	.4	.5	.4	.4	.9	.7	.9	.5	.2								125	125	182
60/ 59		.2	.5	.4	.9	.7	.9	1.0	.4	.1								131	131	182
58/ 57	.1	.4	.1	.5	.6	.6	.8	.5	.2	.0								102	102	209
56/ 55	.1	.6	.7	.4	.7	.7	.5	.5										109	109	237
54/ 53		.5	.4	.4	.6	.7	.6	.2										88	88	187
52/ 51	.2	.8	.2	.2	.4	.5	.2											66	66	203
50/ 49	.2	.5	.3	.2	.5	.6	.2											64	64	172
48/ 47	.1	.3	.0	.5	.3	.3	.1											43	43	148
46/ 45	.0	.3	.1	.3	.3	.2												37	37	119
44/ 43	.1	.3	.1	.3	.2	.1												27	27	97
42/ 41		.2	.1	.0														8	8	75
40/ 39	.0	.1																4	4	45
38/ 37				.2	.0													6	6	29
36/ 35																				11
34/ 33	.1	.0																3	3	5
Element (X)	Σ x <sup>2</sup>	Σ x	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAF ETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AFB STATION NAME 38-49, 56-72 YEARS OCT MONTH  
 PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
32/ 31		.1	.0															3	3	9	95
30/ 29																				1	63
28/ 27																					57
26/ 25																					50
24/ 23																					30
22/ 21																					23
20/ 19																					15
18/ 17																					8
16/ 15																					4
14/ 13																					1
12/ 11																					1
TOTAL	.9	5.5	4.8	5.1	8.5	10.9	11.0	14.3	13.0	10.4	6.3	3.7	2.6	.9	.5	.2	.3	2588	2588	2588	
																		2588		2588	

Element (X)	Σ x <sup>2</sup>	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6797367	122911	47.5	19.264	2588							
Dry Bulb	12421396	176748	68.3	11.637	2588		.1	53.8	36.4	17.8	.7	93
Wet Bulb	8251785	144481	55.8	8.475	2588		.4	9.6	.5			93
Dew Point	5684982	117764	45.5	11.230	2588		12.5	1.3	.1			93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/3AC

PSYCHROMETRIC SUMMARY

13947  
STATION

FUPT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-45, 47-49, 56-70, 72  
YEARS

OCT  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
88/ 87												.0		.0	.0																	3	3		
86/ 85												.0		.0	.0																	5	5		
84/ 83								.2		.0	.1	.1	.2		-1	.0															20	20			
82/ 81							.1	.1	.0	.2	.1	.1	.0	.0																	18	18			
80/ 79					.1	.2	.2	.3	.2	.3	.1	.2					.0														43	43			
78/ 77				.1	.3	.3	.6	.7	.3	.3	.2	.1																			69	69			
76/ 75			.1	.0	.4	.6	.3	.7	.4	.1	.3	.0																		70	70				
74/ 73		.0	.2	.4	.5	.4	.7	.6	.3	.4	.0																			83	83				
72/ 71		.0	.2	.3	.7	.9	.7	.4	.2	.3	.2																			101	101	22			
70/ 69		.1	.4	1.2	1.7	.7	1.0	.5	.4	.1	.0																			150	150	27	6		
68/ 67		.3	.8	.9	1.0	1.0	.9	.6	.2	.1	.0																			141	141	47	22		
66/ 65		.5	.9	.6	.6	.9	.5	.3	.1	.1	.0																			137	132	88	42		
64/ 63	.0	.6	.5	.6	1.1	1.2	1.1	.4	.1																					137	137	154	45		
62/ 61	.1	.6	.7	.7	1.0	1.0	.5	.5	.2																					131	131	167	92		
60/ 59	.2	1.0	.9	1.0	1.2	1.2	1.0	.4	.0																					166	166	151	91		
58/ 57	.0	1.2	1.1	1.0	1.2	1.0	.7	.1	.1																					156	156	159	117		
56/ 55	.2	1.4	1.6	1.5	1.0	.7	.6	.2	.0																					174	174	180	139		
54/ 53	.0	1.5	1.3	1.4	1.0	.5	.6																							153	153	200	127		
52/ 51	.2	1.3	1.0	1.5	1.0	.6	.2	.1																						141	141	207	170		
50/ 49	.1	1.2	1.1	1.7	1.1	.5	.0																							138	138	189	155		
48/ 47	.1	.7	1.2	1.0	.5	.4	.1																							96	96	174	183		
46/ 45	.1	.7	.8	1.6	.5	.2																								93	93	156	156		
44/ 43	.0	.5	.8	.7	.4	.0																								61	61	133	137		
42/ 41	.0	.2	.7	.7	.1																									42	42	109	183		
40/ 39		.5	.6	.2	.0																									33	33	88	140		
38/ 37	.0	.1	.0	.2																										21	21	72	99		
36/ 35	.0	.2	.3																											12	12	35	153		
34/ 33	.1	.1	.2	.0																										10	10	24	77		
32/ 31		.0	.2	.1																										7	7	12	63		
30/ 29				.0																										1	1	6	78		
28/ 27																																	4	44	
26/ 25																															2		33		
24/ 23																																		23	
22/ 21																																		19	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION      FJRT RILEY KANSAS/MARSHALL AAF STATION NAME      38-45,47-49,56-70,72 YEARS      OCT MONTH  
 PAGE 2      1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL																																																																																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																														
20/ 19																					7																																																																														
18/ 17																					4																																																																														
16/ 15																					2																																																																														
TOTAL	1.5	2.8	6.1	7.9	15.5	12.3	10.3	0.1	3.1	2.0	1.2	.6	.2	.1	.0			2407		2407																																																																															
																	2407		2407																																																																																
<table border="1"> <thead> <tr> <th>Element (X)</th> <th><math>\Sigma X^2</math></th> <th><math>\Sigma X</math></th> <th><math>\bar{X}</math></th> <th><math>\sigma_x</math></th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>≤ 0 F</th> <th>≤ 32 F</th> <th>≥ 47 F</th> <th>≥ 73 F</th> <th>≥ 80 F</th> <th>≥ 93 F</th> <th></th> </tr> </thead> <tbody> <tr> <td>Rel. Hum.</td> <td>10343450</td> <td>151598</td> <td>63.0</td> <td>18.141</td> <td>2406</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>8855960</td> <td>143656</td> <td>59.7</td> <td>10.830</td> <td>2407</td> <td></td> <td>.3</td> <td>27.2</td> <td>12.0</td> <td>2.7</td> <td></td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>6771640</td> <td>125894</td> <td>52.3</td> <td>8.815</td> <td>2407</td> <td></td> <td>.9</td> <td>3.7</td> <td></td> <td></td> <td></td> <td>93</td> </tr> <tr> <td>Dew Point</td> <td>5332605</td> <td>110419</td> <td>45.9</td> <td>10.539</td> <td>2407</td> <td></td> <td>10.5</td> <td>1.1</td> <td></td> <td></td> <td></td> <td>93</td> </tr> </tbody> </table>																						Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total							≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F		Rel. Hum.	10343450	151598	63.0	18.141	2406								Dry Bulb	8855960	143656	59.7	10.830	2407		.3	27.2	12.0	2.7		93	Wet Bulb	6771640	125894	52.3	8.815	2407		.9	3.7				93	Dew Point	5332605	110419	45.9	10.539	2407		10.5	1.1				93
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																																																																																							
						≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 93 F																																																																																								
Rel. Hum.	10343450	151598	63.0	18.141	2406																																																																																														
Dry Bulb	8855960	143656	59.7	10.830	2407		.3	27.2	12.0	2.7		93																																																																																							
Wet Bulb	6771640	125894	52.3	8.815	2407		.9	3.7				93																																																																																							
Dew Point	5332605	110419	45.9	10.539	2407		10.5	1.1				93																																																																																							

USAFETAC FORM 0-26-5 (O, A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FUPT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 86-70, 72 YEARS OCT MONTH  
PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
82/ 81												.1	.0	.1																		5	5			
80/ 79												.0	.0	.0																		3	3			
78/ 77					.1	.2	.1	.0	.0	.1	.0	.0																				15	15			
76/ 75			.0	.2	.3	.1	.2	.3	.1	.1	.2																					34	34			
74/ 73			.2	.3	.7	.5	.6	.1	.0	.2	.1																					57	57			
72/ 71			.2	.3	.7	.5	.3	.2	.2	.1																						61	61	10		
70/ 69		.2	.6	.6	.5	.4	.6	.4	.1	.0																						82	82	10	5	
68/ 67		.7	1.0	.8	1.2	.7	.3	.3	.3																								124	124	31	18
66/ 65		.4	.8	.9	.7	.9	.7	.0	.1	.2																							116	110	63	28
64/ 63	.0	1.1	.9	1.0	.8	.9	.7	.3	.3	.0	.0																						129	129	87	42
62/ 61	.3	.9	.6	.8	1.1	.7	.5	.1	.0																								120	120	117	79
60/ 59	.3	1.3	1.1	.9	.6	.7	.4	.4	.0																								134	134	145	80
58/ 57	.1	1.7	1.1	1.1	.9	.8	.5	.1																									147	147	134	97
56/ 55	.6	1.5	1.4	1.2	.8	.7	.1	.0																									151	151	164	129
54/ 53	.3	1.2	1.8	1.2	.8	.2	.2																										132	132	162	128
52/ 51	.3	1.8	1.8	.7	.5	.3	.2																										134	134	150	124
50/ 49	.6	2.2	1.7	1.6	.7	.1	.1																										164	164	180	154
48/ 47	.3	2.1	2.3	1.0	.3	.3																											150	150	193	160
46/ 45	.4	2.7	1.4	.7	.8	.0																											144	144	180	173
44/ 43	.3	1.9	1.9	.8	.3																												122	122	180	161
42/ 41	.2	1.9	1.1	.7	.3																												97	97	125	163
40/ 39	.1	1.3	1.2	.4	.1																												71	71	123	173
38/ 37	.2	1.2	.9	.2																													57	57	89	127
36/ 35	.6	.8	.4	.1																													38	38	77	130
34/ 33	.1	.7	.3																														25	25	57	85
32/ 31	.0	.4	.1																														13	13	29	82
30/ 29	.1	.4	.2																														17	17	14	75
28/ 27	.0	.2	.1																														8	8	15	42
26/ 25		.0																															1	1	7	34
24/ 23																																			3	22
22/ 21																																				20
20/ 19																																				7
18/ 17																																				6
16/ 15																																				1
Element (X)	Σ X'	Σ X	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT KILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 56-70, 72 YEARS OCT MONTH

PAGE 2 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
TOTAL	4.7	6.8	23.2	15.5	12.0	7.8	5.1	2.5	.9	.8	.5	.0	.1					2345	2345	2345
																		2345	2345	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel Hum.	13003957	169759	72.4	17.402	2344							
Dry Bulb	7267230	128032	54.6	10.870	2345		1.5	15.1	4.5	.2		93
Wet Bulb	5970209	116299	49.6	9.293	2345		2.7	2.0				93
Dew Point	5006220	105588	45.0	10.367	2345		11.5	.9				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45, 47-49, 56-70 YEARS N01V MONTH  
 PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
72/ 71					.1													2	2	
70/ 69						.0												1	1	
68/ 67			.1	.0	.1	.0												3	3	
66/ 65		.0	.4	.1	.3													20	20	
64/ 63		.3	.8	.1	.1	.0	.0	.1	.0									34	34	10
62/ 61		.1	.4	.4	.0	.1	.2	.0										32	32	24
60/ 59		.3	.3	.1	.2	.2	.1	.0	.0									28	28	24
58/ 57		.2	.4	.1	.1	.4	.1	.1										30	30	23
56/ 55		.5	.4	.3	.4	.2	.2	.2										44	44	22
54/ 53		.4	.7	.2	.6	.4	.0	.0										50	50	29
52/ 51	.1	.7	.7	.4	.5	.2	.1											61	61	32
50/ 49	.2	1.0	.8	.7	.9	.3												101	101	65
48/ 47	.1	1.5	.8	1.0	.4	.3												94	94	84
46/ 45	.4	1.8	1.1	1.1	.4	.2												112	112	89
44/ 43	.8	1.4	1.6	1.4	.5	.1												131	131	131
42/ 41	.7	1.7	2.0	1.7	.3													146	146	114
40/ 39	.4	2.4	2.5	1.2	.3													150	150	134
38/ 37	.8	3.2	2.6	.7														162	162	182
36/ 35	.5	4.2	2.9	.7	.0	.1												191	191	198
34/ 33	.7	3.7	2.7	.7	.0													175	175	195
32/ 31	.6	3.6	1.9	.3	.0													144	144	185
30/ 29	.8	4.6	1.0	.2														146	146	167
28/ 27	1.0	3.0	.8	.1														110	110	176
26/ 25	1.1	2.6	.5	.1														97	97	116
24/ 23	.4	2.0	.3															58	58	75
22/ 21	.4	1.0	.1	.1														38	40	66
20/ 19	.4	.6	.0															23	23	34
18/ 17	.4	.4	.0															18	18	23
16/ 15	.2	.2																9	9	13
14/ 13	.1	.4																12	12	9
12/ 11		.3																7	7	8
10/ 9		.1																2	2	7
8/ 7	.0	.2																6	6	4
6/ 5	.0	.2																5	5	6
Elements (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

12947  
 STATION

FORT RILEY KANSAS/MARSHALL AFB  
 STATION NAME

39-45, 47-49, 56-70  
 YEARS

NOV  
 MONTH

PAGE 2

0000-0200  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 3		.0																1	1	2	5
2 / 1																				1	10
0 / -1																					6
-2 / -3																					1
-4 / -5																					6
-6 / -7																					1
TOTAL	10.2	43.1	25.8	11.7	5.4	2.7	.7	.4	.0	.0							2248	2251	2248	2248	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	13704309	172255	76.6	14.993	2248							90
Dry Bulb	3615507	86663	38.5	11.108	2250		27.1	.4				90
Wet Bulb	3074427	80017	35.6	10.034	2248		35.7					90
Dew Point	2475035	70357	31.3	11.023	2248	.6	52.3					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FIPT RILEY KANSAS/MARSHALL AFB STATION NAME 39-45,47-49,56-72 YEARS NOV MONTH  
 PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
70/69						.1											2	2		
68/67		.1	.0			.0											7	7		
66/65		.1	.3	.1		.0											12	12	2	
64/63		.1	.6	.2						.0							21	21	5	3
62/61		.2	.1	.3	.2	.1	.1										25	25	14	5
60/59	.1	.0	.2	.4	.1	.1	.0										35	35	27	16
58/57	.0	.2	.4	.3	.0	.1											26	26	20	16
56/55		.6	.4	.2	.4	.0	.1	.0									42	42	23	22
54/53	.1	.0	.3	.3	.3	.3	.2										45	45	35	28
52/51	.1	.5	.4	.4	.2	.2	.0										43	43	42	32
50/49	.3	1.5	.5	.8	.4												57	80	51	42
48/47	.2	1.0	.8	1.1	.4	.2											61	81	57	48
46/45	.4	2.0	1.0	1.2	.3	.1											113	113	65	48
44/43	.7	1.3	1.0	1.0	.4												109	109	126	57
42/41	.5	1.5	2.5	1.4	.1												134	134	108	86
40/39	.8	2.3	3.3	.0	.1												167	167	114	98
38/37	.7	2.1	2.3	.5													125	125	180	99
36/35	.7	4.5	2.7	.5	.1	.1											196	196	177	121
34/33	.9	4.0	2.7	.4	.0												184	184	190	162
32/31	1.0	4.1	2.2	.0													166	166	206	195
30/29	1.3	3.5	1.3	.2													142	142	176	229
28/27	1.6	3.4	1.0	.0													136	136	178	145
26/25	1.2	2.8	.5														102	102	126	170
24/23	.8	2.7	.4														90	90	102	147
22/21	.8	1.0	.1														55	55	88	130
20/19	.8	1.0	.1	.1													43	46	50	87
18/17	.2	.5	.0														18	18	27	99
16/15	.4	.4															18	18	22	52
14/13	.2	.3															10	10	12	39
12/11	.0	.3															7	7	7	18
10/9	.0	.3															8	8	8	8
8/7	.0	.0															2	2	6	13
6/5	.3	.1															9	9	9	10
4/3		.1															3	3		6

USAFETAC FORM NO. 04 0-26-5 (OL A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												





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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FIPT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS N.I.V. MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 3		.0																1	2	1	13
2/ 1		.0																1	1	2	9
0/ -1																					9
-2/ -3																					1
-4/ -5																					4
-6/ -7																					1
TOTAL	13.0	46.9	25.3	6.0	2.8	1.0	.3	.0										2500	2500	2500	2500
Element (X)	Σx <sup>2</sup>	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum	16272698	199052	79.6	13.026	2500	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90									
Dry Bulb	3620053	91191	36.4	10.908	2500		33.7	.3				90									
Wet Bulb	3162394	85254	34.1	10.103	2500		41.7					90									
Dew Point	2620687	76057	30.4	11.080	2500	.5	56.3					90									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49, 56-72 NOV  
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73					.0	.0	.1		.0									6	6						
72/ 71				.0	.1	.2	.0	.0	.1									12	12						
70/ 69			.1	.2	.2	.1	.1	.1										19	19						
68/ 67			.2	.2	.2	.2	.2	.2										26	26						
66/ 65		.0	.2	.2	.4	.4	.2	.1	.0									38	38	6					
64/ 63		.0	.3	.5	.2	.4	.1	.1										41	41	16	3				
62/ 61			.3	.2	.2	.3	.3	.3	.1									43	43	17	6				
60/ 59		.1	.4	.6	.5	.6	.3	.4										69	69	27	16				
58/ 57	.0	.2	.6	.4	.6	.6	.3	.1										75	75	45	20				
56/ 55	.0	.3	.7	.5	.5	.6	.8	.1										91	72	52	27				
54/ 53	.2	.2	.5	.5	1.0	1.0	.4	.0										98	98	59	47				
52/ 51	.1	1.1	.7	1.2	1.4	.7	.3											142	142	79	36				
50/ 49	.3	1.1	.7	1.0	1.8	1.1	.1											155	155	96	50				
48/ 47	.3	1.0	1.5	1.8	1.8	.7	.2	.0										171	171	114	83				
46/ 45	.3	1.1	1.2	2.3	1.9	.5	.0											179	179	146	86				
44/ 43	.4	1.1	1.7	2.4	.9	.1												170	170	194	82				
42/ 41	.3	1.4	2.8	1.8	.8	.2	.1											191	191	192	102				
40/ 39	.1	1.6	3.0	2.3	.7	.0												197	197	220	137				
38/ 37	.2	1.7	2.3	1.8	.3	.0												161	161	251	120				
36/ 35	.2	2.6	3.0	1.1	.2	.0												173	173	198	169				
34/ 33	.2	2.2	2.1	.4	.1													129	129	209	208				
32/ 31	.2	1.7	1.5	.6	.0													106	106	214	256				
30/ 29	.1	1.6	1.1	.4	.0													82	82	115	258				
28/ 27	.0	.8	.6	.1														39	39	96	186				
26/ 25		.7	.4	.2														32	32	57	158				
24/ 23	.0	.4	.2	.0														26	26	38	122				
22/ 21		.5	.2	.0														19	19	26	96				
20/ 19		.4	.2	.1														16	16	23	52				
18/ 17	.0	.2	.1															8	8	18	44				
16/ 15	.0	.4	.0															12	12	12	44				
14/ 13	.0	.1																3	4	11	33				
12/ 11	.0	.1																3	5	6	25				
10/ 9		.0																1	2	1	18				
8/ 7																					17				
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947  
STATION

FURT RILEY KANSAS/MARSHALL AAF  
STATION NAME

38-49,56-72  
YEARS

NOV  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/ 79								.0										1	1																	
78/ 77							.1	.1	.1	.1								12	12																	
76/ 75					.1	.2	.2	.1	.3	.3	.1	.0						26	26																	
74/ 73				.0	.1	.3	.3	.3	.3	.2	.0							34	34																	
72/ 71				.0	.3	.2	.3	.3	.5	.2	.2							49	49																	
70/ 69				.1	.2	.2	.6	.6	.4	.1	.1							60	60																	
68/ 67			.1	.2	.2	.5	.7	.6	.4	.5	.0							80	80	4																
66/ 65			.2	.4	.7	.7	.7	.9	.2	.1								97	97	17																
64/ 63			.1	.2	.2	.7	.7	.7	.7	.0								87	87	26	2															
62/ 61			.2	.2	.7	.9	1.1	1.1	.6	.1								122	122	24	10															
60/ 59		.0	.4	.5	.3	.8	1.3	1.5	.1									126	126	43	24															
58/ 57	.0	.0	.4	.4	.6	1.1	1.7	1.3	.0									142	142	79	21															
56/ 55		.2	.2	.3	.4	1.3	2.3	.6										137	137	88	20															
54/ 53	.0	.3	.7	.6	.7	1.7	1.4	.3	.1									144	144	112	38															
52/ 51		.5	.4	.8	1.4	2.2	1.0	.2										168	168	127	53															
50/ 49	.1	.0	.9	1.0	1.6	1.5	.7	.0										153	153	160	63															
48/ 47	.1	.7	.9	1.1	1.8	1.4	.4											153	153	176	78															
46/ 45	.1	.6	.9	1.4	1.4	.9	.1											138	138	210	94															
44/ 43	.2	1.0	1.2	1.9	2.0	.5	.2	.0										167	167	232	118															
42/ 41		.9	1.3	1.2	.9	.2												115	115	236	105															
40/ 39		1.1	.9	1.1	1.1	.1												111	111	193	135															
38/ 37	.1	.8	1.2	1.7	.6	.1	.0											116	116	178	142															
36/ 35	.0	.7	1.1	1.1	.4	.0												84	84	166	181															
34/ 33	.1	1.2	.0	.5	.2	.0												73	73	128	190															
32/ 31	.1	.6	.3	.4														34	34	126	242															
30/ 29	.2	.2	.4	.4	.0													32	32	73	214															
28/ 27		.2	.6	.3														27	27	35	156															
26/ 25		.1	.5	.2														22	22	26	171															
24/ 23		.3	.2	.2														15	15	31	123															
22/ 21		.1	.1	.0														7	7	24	93															
20/ 19			.2															4	4	12	69															
18/ 17		.0	.1															3	3	6	45															
16/ 15		.0																1	2	7	37															
14/ 13																			1		33															
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49, 56-72 NUV  
STATION STATION NAME YEARS MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
12/ 11																					17
10/ 9																					23
8/ 7																					11
6/ 5																					8
4/ 3																					8
2/ 1																					8
0/ -1																					4
-2/ -3																					2
-4/ -5																					4
TOTAL	1.1	10.3	13.2	12.8	15.0	15.3	13.7	8.3	4.3	1.7	.7	.0						2540		2540	
																		2540			2540

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6273129	137253	54.0	18.366	2540							
Dry Bulb	6394793	128871	50.7	11.867	2541		5.2	9.3	2.0	.0		90
Wet Bulb	4674506	108730	42.8	9.310	2540		12.1	.1				90
Dew Point	3119507	84493	33.3	1.029	2540	.4	44.9					90

USAFETAC FORM 0-26-5 (OL A) JUL 64  
 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS NJV MONTH  
PAGE 1 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
80/79								.0																						1	1				
78/77							.0	.0	.0																					6	6				
76/75							.2	.0	.2	.1	.2	.1																	21	21					
74/73							.2	.0	.1	.3	.2	.1	.1																31	31					
72/71					.1	.3	.2	.2	.2	.4	.2	.1	.1																40	40					
70/69				.0	.3	.3	.4	.5	.8	.2	.1	.0																	67	67					
68/67			.1	.2	.2	.6	.5	.7	.8	.5	.0																		91	91	3				
66/65			.0	.2	.4	.4	.4	.8	.8	.3	.0																		82	82	16				
64/63		.2	.1	.2	.6	.4	.4	.9	.8	.4	.0																		93	93	16	2			
62/61		.0	.0	.2	.4	.7	.8	1.3	.6																				106	106	34	10			
60/59			.3	.4	.5	.4	1.6	1.7	.3																				134	134	37	17			
58/57		.3	.4	.7	.7	1.0	1.5	.9	.1																				141	141	70	25			
56/55	.1	.3	.4	.3	.6	1.6	2.1	1.0		.0																			159	159	62	23			
54/53		.1	.4	.9	.7	1.6	1.3	.5																					139	139	125	42			
52/51	.0	.3	.6	.6	1.1	1.3	1.1	.4	.0																				138	138	122	50			
50/49	.0	.7	.4	1.3	1.3	1.7	.7	.1																					159	159	154	64			
48/47	.1	.7	.8	.9	1.5	1.4	.5	.0																					153	153	190	58			
46/45	.2	.8	.6	1.0	1.3	1.1	.1	.1																					151	151	209	90			
44/43	.2	.9	1.4	1.1	1.3	.4	.0																						139	139	239	174			
42/41	.1	.8	1.2	1.3	.9	.2	.0																						117	117	193	110			
40/39	.2	.8	1.5	1.4	.9	.1	.0																						127	127	232	122			
38/37	.2	1.0	1.1	1.3	.6	.1	.0																						109	109	168	165			
36/35	.2	.8	1.8	1.1	.7	.0																							118	118	170	185			
34/33		1.3	.7	.3	.4																								69	69	122	202			
32/31	.0	.4	.4	.5	.0																								34	34	145	227			
30/29	.1	.4	.4	.4																									31	31	62	202			
28/27	.0	.2	.3	.4																									25	25	54	157			
26/25		.2	.5	.2																									23	23	25	151			
24/23		.2	.1	.1																									11	11	25	135			
22/21	.1	.1	.1	.0																									9	9	27	80			
20/19			.1																										2	2	8	74			
18/17		.0	.1																										3	3	6	67			
16/15		.1	.0																										3	3	3	34			
14/13																														4	4	30			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49.56-72 YEARS NiV MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL																																																																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																
12/ 11																				1	15																																																																
10/ 9																					15																																																																
8/ 7																					25																																																																
6/ 5																					8																																																																
4/ 3																					7																																																																
2/ 1																					2																																																																
0/ -1																					5																																																																
-2/ -3																					4																																																																
-6/ -7																					4																																																																
-8/ -9																					1																																																																
TOTAL	1.5	10.7	14.1	16.2	13.0	13.9	12.2	9.2	4.6	1.7	.6	.1						2532	2532	2532																																																																	
<table border="1"> <thead> <tr> <th>Element (X)</th> <th><math>\sum X^2</math></th> <th><math>\sum X</math></th> <th><math>\bar{X}</math></th> <th><math>s_x</math></th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td>Rel. Hum.</td> <td>8458473</td> <td>139127</td> <td>54.6</td> <td>17.100</td> <td>2532</td> <td>≤ 0 F</td> <td>≤ 32 F</td> <td>≥ 67 F</td> <td>≥ 73 F</td> <td>≥ 80 F</td> <td>≥ 93 F</td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>6790735</td> <td>127687</td> <td>50.4</td> <td>11.786</td> <td>2532</td> <td></td> <td>5.0</td> <td>9.1</td> <td>2.1</td> <td>.0</td> <td></td> <td>90</td> </tr> <tr> <td>Wet Bulb</td> <td>4815301</td> <td>107917</td> <td>42.6</td> <td>9.233</td> <td>2532</td> <td></td> <td>12.8</td> <td>.1</td> <td></td> <td></td> <td></td> <td>90</td> </tr> <tr> <td>Dew Point</td> <td>3090604</td> <td>83850</td> <td>33.1</td> <td>11.135</td> <td>2532</td> <td>.5</td> <td>44.2</td> <td></td> <td></td> <td></td> <td></td> <td>90</td> </tr> </thead> </table>																					Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total	Rel. Hum.	8458473	139127	54.6	17.100	2532	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Dry Bulb	6790735	127687	50.4	11.786	2532		5.0	9.1	2.1	.0		90	Wet Bulb	4815301	107917	42.6	9.233	2532		12.8	.1				90	Dew Point	3090604	83850	33.1	11.135	2532	.5	44.2					90
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																																																																									
Rel. Hum.	8458473	139127	54.6	17.100	2532	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																																																										
Dry Bulb	6790735	127687	50.4	11.786	2532		5.0	9.1	2.1	.0		90																																																																									
Wet Bulb	4815301	107917	42.6	9.233	2532		12.8	.1				90																																																																									
Dew Point	3090604	83850	33.1	11.135	2532	.5	44.2					90																																																																									

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION DUPT RILEY KANSAS/MARSHALL AAF STATION NAME 38-45,47-49,56-72 YEARS N:JV MONTH  
 PAGE 1 1800-2000 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
74/ 73						.0	.1											7	7	
72/ 71					.0	.1	.1	.0										7	7	
70/ 69			.0	.1	.3			.0	.2									17	17	
68/ 67			.0	.3	.3			.0	.0									17	17	
66/ 65		.1	.2	.3	.1			.2	.2									23	23	4
64/ 63		.3	.1	.0	.1	.3		.3	.1	.1								33	33	14
62/ 61			.4	.4	.3	.3	.2	.3	.1									44	44	30
60/ 59		.1	.3	.4	.6	.6	.4	.1	.0									56	56	14
58/ 57		.3	.7	.5	.7	.7	.5	.3										88	88	22
56/ 55		.6	.5	.4	.6	.9	.7	.0										88	88	35
54/ 53	.0	.3	.8	.8	1.0	1.2	.2											105	105	66
52/ 51	.0	.7	1.4	1.2	1.4	1.1	.1											142	142	72
50/ 49		.8	.8	1.3	1.3	.8	.2											126	126	81
48/ 47	.3	1.2	.9	1.3	1.8	.5	.0											136	136	146
46/ 45	.1	1.4	1.5	2.5	.9	.6	.0											168	168	141
44/ 43	.2	1.4	1.5	2.2	1.2	.3	.1											162	162	193
42/ 41	.2	1.1	2.3	2.0	.9	.2												160	160	151
40/ 39	.1	1.6	3.8	1.9	.6	.0												195	195	184
38/ 37	.3	2.0	2.7	1.8	.4	.0												172	172	223
36/ 35	.2	1.9	2.3	1.3	.1	.1												145	145	215
34/ 33	.3	2.2	2.3	.8	.0													134	134	186
32/ 31	.1	1.8	1.6	.5	.0													95	95	180
30/ 29	.2	1.4	1.4	.4	.0													79	79	117
28/ 27	.2	1.1	.6	.3	.0													52	52	102
26/ 25	.1	.9	.5	.2														40	40	59
24/ 23	.0	.5	.3															20	20	40
22/ 21	.2	.2	.1															12	12	30
20/ 19	.0	.4	.2	.0														14	16	19
18/ 17		.3	.0	.0														9	9	11
16/ 15		.2	.1															8	8	12
14/ 13	.0	.2																5	5	8
12/ 11			.0															1	1	5
10/ 9																				16
8/ 7																				1
Element (X)	Σ x'	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION      FUPT RILEY KANSAS/MARSHALL AAF STATION NAME      38-45, 47-49, 56-72 YEARS      NOV MONTH

PAGE 2      1900-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 5																					10	
4/ 3																					3	
2/ 1																					2	
0/ -1																					8	
-2/ -3																					4	
-6/ -7																					2	
-8/ -9																					2	
TOTAL	2.7	23.5	27.0	20.9	12.8	7.9	3.0	1.1	.4									2358	2356	2358	2358	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	11236474	157970	67.0	16.652	2358	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4735092	102654	43.5	10.646	2358		12.9	1.7	.1			90
Wet Bulb	3756491	91527	38.8	9.299	2358		22.3					90
Dew Point	2771901	76655	32.5	10.899	2358	.6	47.0					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-49, 56-72 NJV  
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
72/ 71				.0	.2	.0														6	6		
70/ 69				.1	.0	.1														5	5		
68/ 67			.1	.1	.1															8	8		
66/ 65		.2	.3	.0	.1			.0	.2	.0										21	21	4	
64/ 63		.1	.7	.2	.3	.1	.2	.1												38	38	12	4
62/ 61		.1	.1	.2	.2	.1	.2	.1	.0											24	24	23	8
60/ 59		.1	.3	.3	.2	.2	.2	.2	.0											34	34	17	19
58/ 57		.3	.4	.3	.2	.2	.2	.0												30	30	11	16
56/ 55	.1	.5	.2	.7	.3	.5	.3	.0												61	61	31	16
54/ 53	.0	.4	.4	.4	.4	.6	.2													57	57	38	22
52/ 51		.3	1.1	.8	.7	.3	.1													77	77	37	27
50/ 49	.1	1.3	1.4	1.0	1.0	.5	.0	.0												123	123	65	32
48/ 47	.0	1.6	1.0	.8	.5	.4	.1													105	105	101	41
46/ 45	.3	1.6	1.7	1.6	.9	.3														147	147	111	87
44/ 43	.5	2.1	2.0	1.9	.8															168	168	155	94
42/ 41	.3	1.4	1.7	1.3	.3	.0														118	118	150	79
40/ 39	.3	2.1	2.0	1.1	.2	.1														155	155	145	110
38/ 37	.6	2.8	3.3	1.1	.2	.0														184	184	188	134
36/ 35	.4	3.3	2.0	1.3		.1														182	182	197	146
34/ 33	.8	3.7	3.0	.6	.1															190	190	189	154
32/ 31	.1	3.9	1.4	.3																137	137	205	213
30/ 29	.3	3.3	1.6	.2																123	123	174	221
28/ 27	.9	2.4	1.0	.0																99	99	150	163
26/ 25	.3	2.0	.4	.2																66	66	97	153
24/ 23	.3	1.3	.3	.0																44	44	71	148
22/ 21	.2	.7	.3																	28	28	43	128
20/ 19	.1	.6	.1																	18	18	25	53
18/ 17	.2	.5																		16	16	24	78
16/ 15	.1	.3	.0																	10	10	15	50
14/ 13		.2																		4	4	6	25
12/ 11		.3	.0																	7	7	7	14
10/ 9		.1	.0																	4	4	3	14
8/ 7		.1																		3	3	6	16
6/ 5		.0																		1	1	1	15
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FIJET RILEY KANSAS/MARSHALL AAF 39-45, 47-49, 56-72  
 STATION STATION NAME YEARS

N, JV  
 MONTH

PAGE 2 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		* 31	Dry Bulb	Wet Bulb	Dew Point
4/ 3																				1	6
2/ 1																					3
0/ -1																					5
-2/ -3																					3
-4/ -5																					2
-6/ -7																					2
-8/ -9																					1
TOTAL	6.1	37.7	28.9	14.9	6.7	3.0	1.7	.7	.1									2302		2302	
																		2307			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum	12963424	168922	73.4	15.709	2302	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3955188	92092	40.0	10.853	2302		21.9	.7				90
Wet Bulb	3283037	84041	36.5	9.664	2302		32.4					90
Dzw Point	2564118	72646	31.6	10.864	2302	.5	31.3					90

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 STATION      FLPT RILEY KANSAS/MARSHALL AAF STATION NAME      39-45, 47-49, 56-70 YEARS      DEC MONTH

PAGE 1      G000-C200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63					.1													2	2																
62/ 61			.2	.1	.0			.0										8	8																
60/ 59		.0	.2	.1														5	5																
58/ 57	.0	.1	.0	.2				.0										2	2	10	1														
56/ 55		.3	.4	.1	.1	.0		.0										22	22	9	5														
54/ 53		.3	.1		.0	.1	.0	.0										14	14	11	11														
52/ 51		.3	.2	.2	.3	.1												20	20	18	6														
50/ 49	.1	.2	.1	.3	.2	.2												25	25	7	20														
48/ 47	.1	.1	.1	.1	.1	.3	.1											27	20	18	12														
46/ 45	.2	.4	.2	.6	.2	.1												38	33	23	17														
44/ 43	.3	.3	.5	.7	.2	.1												49	48	31	15														
42/ 41	.1	.6	.9	1.0	.3	.1												67	67	31	22														
40/ 39	.3	1.0	1.8	.8	.3													96	96	65	21														
38/ 37	.7	2.0	1.8	1.1	.1													128	128	103	42														
36/ 35	.6	2.5	1.6	.4	.1													120	120	117	73														
34/ 33	1.4	3.8	2.1	.7	.0													184	184	185	113														
32/ 31	.7	4.6	1.9	.3	.0													175	175	158	141														
30/ 29	1.2	4.1	2.1	.2														173	173	192	169														
28/ 27	2.1	4.7	1.0	.2														185	185	237	138														
26/ 25	1.7	4.5	1.0	.0														165	165	177	193														
24/ 23	1.6	3.6	.7															134	134	168	182														
22/ 21	1.8	4.1	.5	.0														149	149	140	198														
20/ 19	1.7	3.0	.6	.0														126	120	143	136														
18/ 17	.7	2.2	.2															70	70	84	131														
16/ 15	.8	2.6	.4															87	87	93	103														
14/ 13	.8	1.4																50	50	76	98														
12/ 11	.1	1.4																34	35	33	92														
10/ 9	.7	.9																38	38	46	60														
8/ 7	.4	.9																30	30	34	67														
6/ 5	.7	.3																23	23	28	49														
4/ 3	.3	.1																11	12	13	39														
2/ 1	.3	.4																17	17	13	45														
0/ -1	.3	.1																10	11	14	38														
-2/ -3	.0	.0																2	3	2	9														

Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	$\bar{X}$	$\sigma_X$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-48,56-70 YEARS DEC MONTH  
 PAGE 2 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb
-4/-5		.4	.0														5	7	6	10
-6/-7		.1	.0														4	5	3	9
-8/-9																			1	4
-10/-11																				9
-12/-13																				6
-14/-15																				1
-16/-17																				1
-15/-19																				4
-20/-21																				1
TOTAL	20.0	50.8	18.6	7.2	2.4	.9	.0	.1	.0								2291	2291	2291	2291
																	2291		2291	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	
Rel. Hum.	14333643	178235	77.8	14.286	2291							
Dry Bulb	2102180	65436	28.5	11.407	2291	1.1	60.3					93
Wet Bulb	172631	60883	26.6	10.358	2291	1.1	67.5					93
Dew Point	142665	50615	22.1	11.605	2291	3.7	78.5					93

US-FFAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-49, 56-72

DEC  
 MONTH

PAGE 1 G300-0500  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
66/65						.0												1	1	
64/63						.0												1	1	
62/61			.1			.0												4	4	
60/59		.1		.1														4	4	
58/57		.3	.2	.3														19	19	6
56/55	.0	.4	.3															10	10	7
54/53		.0	.1	.1	.1	.0												8	8	7
52/51		.1	.0	.0	.1	.1												7	9	3
50/49		.2	.3	.3	.3	.3	.1											27	27	6
48/47	.1	.2	.1	.1	.7	.0												29	29	17
46/45	.2	.3	.2	.1	.2	.1												25	25	20
44/43	.2	.4	.3	.5	.2													37	37	20
42/41	.2	.8	.8	.7	.1													60	60	33
40/39	.4	1.1	1.1	.5	.1													75	75	58
38/37	.4	1.6	1.7	.6	.0													98	98	82
36/35	.3	2.3	1.5	.8	.2													119	119	104
34/33	1.2	3.7	2.1	.5														173	173	135
32/31	1.0	4.4	1.5	.2														165	165	168
30/29	1.3	4.3	1.7	.3														177	177	201
28/27	1.7	4.6	1.0															173	173	196
26/25	2.0	5.6	1.0	.1														201	201	192
24/23	2.1	4.4	.8															167	167	201
22/21	1.4	3.8	.8	.0														134	134	154
20/19	2.2	3.1	.1															131	131	157
18/17	1.7	2.3	.3															100	100	125
16/15	1.0	2.1	.0															71	71	67
14/13	.9	1.8	.1															68	68	80
12/11	.7	1.4																48	48	66
10/9	.8	1.3																50	50	49
8/7	.6	.8																32	33	39
6/5	.6	.4																22	22	20
4/3	.3	.2																11	11	18
2/1	.3	.3																14	14	14
0/-1	.4	.5																20	22	15
Element (X)	Σx²	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45,47-49,56-72 D.C.C.  
STATION STATION NAME YEARS MONTH  
PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-2/-3	.1	.0																4	5	11	18	
-4/-5																					14	
-6/-7	.4																	9	9	9	13	
-8/-9	.2																	4	4	4	3	
-10/-11	.1																	2	2	2	6	
-12/-13																					7	
-14/-15																					4	
-16/-17																					2	
-18/-19																					5	
-20/-21																					2	
TOTAL	23.3	52.0	16.3	5.4	2.0	.3	.1											2304	2304	2304	2304	
																			2304		2304	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	14819889	182165	79.113359	2303	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1991690	62542	27.111357	2309	1.7	64.8					93
Wet Bulb	1740125	58541	25.410475	2304	1.7	72.2					93
Dew Point	348853	48609	21.211693	2304	4.3	80.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FUPT RILEY KANSAS/MARSHALL AAF 38-49,56-72

01C  
 MONTH

PAGE 1 0600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
02/ 01				.2														4	4																
60/ 59		.1	.0	.1														6	6																
58/ 57		.2	.3	.3														13	13	4															
56/ 55		.1	.3		.1													12	12	9	5														
54/ 53		.2	.2	.1				.1										13	13	17	4														
52/ 51	.0	.2	.1	.3	.0		.1											18	18	15	13														
50/ 49	.0	.2	.1	.1	.1	.1	.0											17	17	10	20														
48/ 47	.2	.1	.1	.2	.1	.1												21	21	16	17														
46/ 45	.1	.4	.3	.5	.1													36	40	20	14														
44/ 43	.2	.3	.6	.4	.3	.1												43	43	15	17														
42/ 41	.2	.4	.7	.5	.1													50	50	37	15														
40/ 39	.6	.7	.8	.3														63	63	60	32														
38/ 37	.4	1.4	1.3	.4	.1													91	91	69	34														
36/ 35	.5	2.3	2.0	.8	.1													145	145	105	62														
34/ 33	.7	3.9	2.0	.4														178	178	138	92														
32/ 31	1.3	4.0	1.7	.2														185	185	174	136														
30/ 29	1.5	4.4	1.5	.4														197	197	220	168														
28/ 27	1.7	4.0	1.1	.1														192	192	221	148														
26/ 25	2.2	5.5	.4	.1														218	219	216	202														
24/ 23	1.0	4.4	.9															160	181	213	168														
22/ 21	2.0	4.0	.9															174	174	184	220														
20/ 19	1.8	3.4	.3															139	140	158	182														
18/ 17	1.9	2.9	.2															126	126	156	165														
16/ 15	.9	1.6	.1															67	58	81	149														
14/ 13	1.2	1.7	.1															76	76	78	125														
12/ 11	.7	.8																38	38	58	124														
10/ 9	1.4	1.4																70	70	60	57														
8/ 7	.7	.9																39	40	50	72														
6/ 5	.4	.4																26	26	31	58														
4/ 3	.3	.4																24	24	23	60														
2/ 1	.3	.4																19	19	24	37														
0/ -1	.5	.3																19	19	14	44														
-2/ -3	.2	.3																13	13	15	12														
-4/ -5	.2	.1																8	8	11	21														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72

DEC  
 MONTH

PAGE 2 0600-0800  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-6/-7	.3	.1																			10	11	10	16	
-8/-9	.2																					5	2	6	10
-10/-11																							1		14
-12/-13																									10
-14/-15																									4
-16/-17																									5
-18/-19																									8
-20/-21																									1
-22/-23																									1
TOTAL	21.7	22.4	16.1	5.9	1.9	.3	.2																2549		2542
																						2542		2542	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10386164	201414	79.2	2.967	2542	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2123528	67466	26.5	1.515	2542	2.1	66.8					93
Wet Bulb	1861576	63194	24.9	1.069	2542	2.0	74.0					93
Dew Point	1448087	52473	20.6	1.964	2542	5.3	61.1					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 DEC  
 STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/65			.0		.0													2	2																
64/63			.1	.1				.0										5	5																
62/61		.1	.1	.1	.1			.0										12	12	2															
60/59			.3	.1	.1	.1		.0	.0									17	17	4	1														
58/57		.1	.4	.2	.1	.2		.0	.1									27	27	7	4														
56/55		.1	.2	.2	.2	.2	.2	.1	.1									25	25	14	5														
54/53		.1	.1	.1	.1	.2	.2	.1	.0									25	25	17	10														
52/51		.1	.1	.1	.1	.2	.4	.2										36	36	14	11														
50/49	.1	.1	.2	.2	.7	.5		.0										58	58	18	12														
48/47	.1	.1	.2	.2	.8	.7		.0										75	75	22	11														
46/45	.2	.2	.4	.4	.9	.4		.0										93	93	50	24														
44/43	.2	.3	.4	.9	.9	.2												122	122	61	28														
42/41	.2	.6	1.3	1.5	.8	.2												127	123	93	33														
40/39	.3	.7	1.4	1.4	.5													126	127	114	49														
38/37	.2	1.8	1.9	1.9	.2	.1												162	162	168	46														
36/35	.3	2.3	2.6	1.3	.3													184	184	183	84														
34/33	.6	3.3	3.0	1.0	.1													207	207	183	133														
32/31	.6	3.6	2.5	.7	.1													198	198	268	194														
30/29	.6	3.7	2.4	.3														197	190	219	192														
28/27	1.0	3.1	1.7	.2														159	158	207	204														
26/25	1.2	2.7	1.6	.2														150	150	184	250														
24/23	.6	2.4	1.3	.1														119	118	152	194														
22/21	.5	2.7	.5															96	96	120	178														
20/19	.5	2.7	.9															109	109	114	127														
18/17	.4	1.8	.3															71	71	97	142														
16/15	.3	1.6	.2															58	58	70	116														
14/13	.2	1.2	.0															38	38	58	97														
12/11	.2	.9	.0															30	30	37	98														
10/9	.2	1.0	.0															36	36	36	64														
8/7	.1	.8																28	28	34	53														
6/5	.1	.3																15	16	24	72														
4/3	.3	.5																23	23	20	34														
2/1	.2	.3																11	11	13	47														
0/-1	.2	.0																5	5	10	21														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION      FUPT RILEY KANSAS/MARSHALL AAF STATION NAME      38-49,56-72 YEARS      DEC MONTH  
PAGE 2      0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
-2/-3	.1	.2																7	7	7	20
-4/-5	.0	.0																2	2	3	13
-6/-7																					17
-8/-9																					11
-10/-11																					3
-12/-13																					7
-14/-15																					4
-16/-17																					1
-18/-19																					2
TOTAL	10,640	0,076	0,133	0,0	2,9	.7	.2	.2	.0									2623	2624		2623

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	13870844	186078	71.0	13.932	2622							93
Dry Bulb	3052975	83849	32.0	11.932	2624	.5	47.6					93
Wet Bulb	2480175	75777	28.9	10.535	2623	.7	59.3					93
Dew Point	1747465	60219	23.0	11.758	2623	3.7	76.8					93

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72 DEC  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
78/77																		1	1	
76/75														.0				1	1	
74/73										.0	.0							2	2	
72/71										.0	.0	.0						3	3	
70/69								.0	.0	.0	.0							4	4	
68/67							.0	.1	.0	.1								7	7	
66/65				.1	.2	.1	.1	.2	.0	.0								21	71	
64/63			.1	.3	.0	.1	.1	.2	.2	.2								30	30	
62/61			.1	.2	.1	.3	.2	.2	.3	.2								41	41	
60/59			.1	.2	.2	.4	.3	.7	.2	.0								53	53	9
58/57		.2	.2	.2	.2	.5	.8	.5	.4	.1								78	78	16
56/55		.1	.2	.2	.4	.8	1.0	.5										86	86	21
54/53		.2	.1	.3	.9	1.0	.8	.4										93	93	28
52/51	.0	.2	.2	.6	1.3	1.0	.7											105	105	38
50/49		.2	.3	.4	1.6	1.2	.0	.0										113	113	44
48/47		.3	.0	1.3	1.1	1.1	.5											131	131	76
46/45	.0	.3	.4	1.4	1.3	.8	.3											120	126	136
44/43	.2	.5	1.1	1.2	1.2	.6	.2											137	137	169
42/41	.0	.3	1.0	1.5	.9	.3	.1											109	168	156
40/39	.1	.7	1.3	1.3	1.4	.6												139	139	168
38/37	.1	1.6	1.4	1.8	.7	.2												150	150	166
36/35	.2	1.5	2.1	1.6	.6	.0												157	157	200
34/33	.4	2.5	2.3	1.0	.2													166	166	164
32/31	.5	3.0	2.0	.9	.3													172	172	239
30/29	.2	1.1	1.5	.7	.1	.0												98	96	199
28/27	.5	1.8	1.3	.5														106	106	134
26/25	.2	1.6	1.0	.2														95	95	115
24/23	.3	1.5	1.6	.2														91	93	100
22/21	.2	1.8	1.3	.2														87	87	100
20/19	.2	1.3	.6	.1														59	59	100
18/17	.1	1.0	.2															34	34	68
16/15	.2	.7	.5															34	34	45
14/13	.0	.7	.3															28	28	28
12/11	.0	.6																17	17	30
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 7 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1947 STATION FT RILEY KANSAS/MARSHALL AAF STATION NAME 38-49,56-72 YEARS DEC MONTH  
 PAGE 2 1200-1400 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
10/ 9	.1	.7	.1															22	22	26	64
8/ 7	.0	.3																10	10	16	49
6/ 5		.2																6	6	9	56
4/ 3	.0	.1																3	3	6	35
2/ 1	.0	.0																2	2	4	20
0/ -1																					28
-2/ -3																					21
-4/ -5																					10
-6/ -7																					6
-8/ -9																					4
-10/-11																					4
-12/-13																					7
-14/-15																					1
-16/-17																					1
TOTAL	3.0	25.0	22.3	16.6	12.9	9.0	5.6	2.8	1.3	.6	.3	.0	.1					2610	2610	2610	93

Element (X)	Σx'	Σx	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≤ 93 F	
Rel Hum	10476024	157800	60.5	18.869	2608		30.0	.6	.1			93
Dry Bulb	4332410	100708	38.6	13.083	2610		43.4					93
Wet Bulb	3185123	86931	33.3	10.538	2610	2.9	71.2					93
Dew Point	1957078	64689	24.8	11.652	2610							93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
 15AF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 38-49,56-72

DEC  
 MONTH

PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
76/75																			1	1			
72/71																			5	5			
70/69																			7	3			
68/67																			7	7			
66/65																			17	17			
64/63																			26	26			
62/61																			36	36			
60/59																			52	62	3		
58/57																			76	76	18	1	
56/55																			94	94	14	9	
54/53																			100	100	18	13	
52/51																			90	90	45	14	
50/49																			136	136	63	17	
49/47																			139	139	89	26	
46/45																			97	97	130	23	
44/43																			117	117	156	38	
42/41																			135	135	160	52	
40/39																			139	139	158	70	
38/37																			151	151	207	98	
36/35																			172	172	187	137	
34/33																			151	151	181	164	
32/31																			140	140	227	212	
30/29																			115	115	136	201	
28/27																			103	103	137	162	
26/25																			114	114	123	199	
24/23																			80	80	116	186	
22/21																			89	89	107	152	
20/19																			59	59	99	126	
18/17																			33	33	61	133	
16/15																			41	41	35	110	
14/13																			27	27	39	84	
12/11																			14	14	25	98	
10/9																			16	16	22	61	
8/7																			4	4	11	53	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 95 F	Total										
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

13947 FT RILEY KANSAS/MARSHALL AAF 38-49,56-72

DEC  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
6/ 5		.3																7	7	6	35				
4/ 3		.1																3	3	4	30				
2/ 1		.0																1	1	3	21				
0/ -1	.0																	1	1	1	19				
-2/ -3																					24				
-4/ -5																					10				
-6/ -7																					4				
-8/ -9																					4				
-10/-11																					3				
-12/-13																					1				
-14/-15																					5				
TOTAL	4.5	25.1	22.6	10.7	10.7	9.1	6.0	3.2	1.2	.6	.2	.0	.1					2601		2601	2601				
																		2601		2601					
Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	10750474	159378	61.3	19.59	2601	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	4321005	100587	38.7	12.876	2601	.0	30.3	.6	.0			93													
Wet Bulb	3190389	87035	33.5	10.341	2601	.0	41.9					93													
Dew Point	1984491	65229	25.1	11.580	2601	2.7	69.3					93													

USAFETAC FORM 04 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FURT RILEY KANSAS/MARSHALL AAF 38-45,47-49,56-72 STATION STATION NAME YEARS MONTH

PAGE: 2 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
0/-1		.1																3	3	4	23
-2/-3		.0	.0															2	2	1	19
-4/-5		.1																2	2	3	19
-6/-7																					3
-8/-9																					5
-10/-11																					1
-12/-13																					6
-14/-15																					2
-16/-17																					1
TOTAL		2.2	2.3	2.5	1.1	2.3	6.3	3.2	1.1		.3							2392	2392	2392	2392

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	12815017	170677	71.4	10.318	2392							93
Dry Bulb	2869319	78145	32.7	11.503	2392	.3	44.9	.0				93
Wet Bulb	2337455	70761	29.6	10.106	2392	.3	55.4					93
Dew Point	1659770	36772	22.7	11.429	2392	2.9	73.4					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 STATION FORT RILEY KANSAS/MARSHALL AAF STATION NAME 39-45,47-49,56-72 YEARS DEC MONTH PAGE 1 2100-2300 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
64/ 63					.1													2	2		
62/ 61			.2	.1		.0												8	8		
60/ 59	.0	.0	.1	.0	.0													7	7	1	
58/ 57		.1	.0	.2	.2		.1	.1										17	17	9	
56/ 55		.1	.5	.2		.1												22	22	8	6
54/ 53			.1	.1	.2	.1	.0											13	13	5	9
52/ 51	.1	.3	.3	.3	.1	.2	.1											34	34	25	5
50/ 49	.0	.1	.0	.2	.1	.0	.1											16	16	18	16
48/ 47		.2	.3	.2	.4	.1	.0											32	32	13	19
46/ 45	.2	.2	.6	.8	.4	.3												59	59	32	17
44/ 43	.1	.7	1.0	.9	.6	.2												80	80	36	11
42/ 41	.1	.6	1.5	1.3	.3	.1												94	94	50	30
40/ 39	.2	.9	1.6	.8	.3	.1												94	94	76	30
38/ 37	.6	2.1	2.0	1.1	.1													137	137	138	50
36/ 35	.8	3.0	2.4	.8	.0													157	157	139	85
34/ 33	.7	3.6	2.0	.7	.0													167	167	186	122
32/ 31	.7	4.5	1.6	.5	.0													177	177	191	185
30/ 29	.8	5.8	2.1	.2	.0													208	208	195	176
28/ 27	1.7	3.5	1.2	.1														152	153	230	131
26/ 25	1.4	3.6	1.0	.1														147	147	155	211
24/ 23	1.3	3.0	.7	.0														119	119	166	177
22/ 21	1.2	3.2	.7															119	119	113	164
20/ 19	1.2	2.8	.5	.1														108	108	112	118
18/ 17	.9	2.3	.3															80	81	109	125
16/ 15	.6	1.8	.2															61	61	72	107
14/ 13	.6	1.3	.1															48	48	63	106
12/ 11	.3	1.6																45	45	47	99
10/ 9	.4	.9																40	40	54	66
8/ 7	.4	.9																36	31	24	70
6/ 5	.4	.3																17	17	28	57
4/ 3	.3	.5																17	17	8	42
2/ 1	.3	.3																12	13	19	41
0/ -1	.2																	4	4	7	16
-2/ -3	.1																	2	3	2	13

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13947 FORT RILEY KANSAS/MARSHALL AAF 39-45, 47-49, 56-72 DEC  
STATION STATION NAME YEARS MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-4/-5		.1																5	5	3	19			
-6/-7			.1															1	2	3	9			
-8/-9																					1			
-10/-11																					6			
-12/-13																					7			
-14/-15																					2			
-18/-19																					3			
TOTAL	16.	248.	621.5	0.7	3.0	1.5	.3	.1									2331	2337		2331				
																	2331		2331					

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	* 73 F	* 80 F	* 93 F	
Rel. Hum.	13976516	177216	76.0	14.701	2331							
Dry Bulb	2376663	69491	29.7	11.526	2337	.6	55.6					93
Wet Bulb	2014347	64115	27.5	10.376	2331	.6	63.9					93
Dew Point	1509674	52860	22.7	11.553	2331	3.0	77.0					93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION		STATION NAME											YEARS	
HRS (LST)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	23.5	28.2	35.9	48.9	58.9	67.9	73.1	71.8	62.6	52.1	38.5	28.5	49.2
	S D	13.034	10.993	12.346	10.732	9.557	7.304	6.952	7.347	10.043	10.938	11.108	11.407	20.005
	TOTAL OBS	2309	2021	2285	2242	2273	2139	2219	2271	2247	2322	2250	2298	26876
03-05	MEAN	22.0	26.4	34.0	46.8	56.6	65.7	70.5	69.2	60.4	50.0	36.9	27.1	47.2
	S D	13.175	10.976	12.109	10.899	9.568	7.219	6.751	7.097	10.081	10.937	11.140	11.357	19.675
	TOTAL OBS	2315	2037	2305	2247	2309	2146	2246	2324	2287	2361	2259	2309	27145
06-08	MEAN	21.4	25.4	33.9	48.2	59.4	68.5	73.1	71.1	61.7	50.6	36.4	26.5	47.9
	S D	13.127	10.809	11.869	10.634	9.397	7.367	6.741	7.261	10.122	10.932	10.908	11.515	20.737
	TOTAL OBS	2487	2284	2510	2446	2479	2246	2461	2517	2476	2554	2303	2549	29312
09-11	MEAN	26.6	31.5	41.7	56.8	67.9	76.2	82.1	80.4	71.5	61.0	43.8	32.0	59.9
	S D	13.265	11.450	13.453	10.980	9.908	8.224	7.405	7.975	10.276	10.920	10.947	11.935	22.082
	TOTAL OBS	2511	2282	2507	2456	2496	2253	2462	2542	2514	2598	2543	2624	29786
12-14	MEAN	33.3	38.2	48.3	62.6	73.0	81.2	87.6	86.3	77.6	68.2	50.7	38.6	62.1
	S D	14.053	12.765	14.848	12.099	10.697	8.676	8.077	8.702	10.961	11.681	11.887	13.083	22.149
	TOTAL OBS	2517	2278	2498	2447	2480	2238	2453	2550	2520	2588	2541	2610	29720
15-17	MEAN	34.2	39.7	50.0	63.9	74.0	82.2	88.7	87.3	78.3	68.3	50.4	38.7	62.8
	S D	14.137	13.171	15.333	12.142	10.528	8.569	8.099	8.560	10.926	11.637	11.786	12.876	22.233
	TOTAL OBS	2510	2275	2491	2397	2430	2196	2412	2508	2497	2588	2532	2601	29435
18-20	MEAN	28.3	34.3	44.4	58.7	69.0	77.4	83.1	80.8	71.0	59.7	43.5	32.7	56.7
	S D	12.649	11.361	13.831	11.068	9.725	7.854	7.578	7.901	10.184	10.830	10.646	11.503	21.617
	TOTAL OBS	2355	2119	2325	2289	2329	2101	2224	2329	2339	2407	2358	2392	27567
21-23	MEAN	25.3	30.4	39.0	52.4	62.6	71.1	76.4	74.6	65.3	54.6	40.0	29.7	51.6
	S D	12.649	10.861	12.543	10.543	9.329	7.282	6.914	7.471	9.955	10.870	10.853	11.526	20.392
	TOTAL OBS	2514	2094	2304	2274	2288	2121	2223	2235	2271	2345	2302	2337	27128
ALL HOURS	MEAN	26.9	31.9	41.0	54.9	65.3	73.8	79.5	77.9	68.8	58.3	42.7	31.9	54.3
	S D	14.056	12.635	14.609	12.794	11.675	9.831	9.855	10.241	12.298	13.139	12.384	12.771	21.942
	TOTAL OBS	19318	17390	19225	18796	19084	17438	18700	19296	19151	19763	19288	19720	227169

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 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

HRS II S T I	MEAN S D	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	21.9 12.374 2278	26.1 10.070 2020	32.6 10.739 2279	44.3 9.345 2236	54.7 8.529 2272	63.7 6.055 2130	67.2 5.250 2219	66.0 5.577 2271	58.0 8.544 2244	48.1 9.652 2322	35.6 10.034 2248	26.6 10.358 2291	45.4 18.276 26810	
03-05	20.7 12.513 2282	24.7 10.183 2033	31.2 10.758 2302	43.0 9.759 2241	53.2 8.807 2303	62.3 6.185 2134	65.8 5.352 2246	64.7 5.740 2324	56.7 8.939 2284	46.7 9.919 2361	34.5 10.228 2256	25.4 10.475 2304	44.2 18.330 27070	
06-08	20.1 12.554 2452	23.7 10.202 2284	31.1 10.587 2509	44.0 9.635 2439	55.0 8.472 2474	64.0 6.060 2244	67.2 5.102 2401	65.8 5.695 2516	57.5 8.907 2475	47.1 9.855 2548	34.1 10.103 2500	24.9 10.694 2542	44.5 19.015 29444	
09-11	24.1 12.140 2484	28.3 10.040 2281	36.3 10.801 2507	48.9 8.994 2431	59.1 8.184 2496	67.4 6.011 2253	70.9 4.724 2462	69.6 5.285 2541	62.3 7.935 2514	52.8 8.780 2598	39.0 9.436 2528	28.9 10.535 2623	40.7 18.642 29748	
12-14	29.0 12.015 2490	32.9 10.132 2277	40.1 10.740 2498	51.5 8.818 2444	61.2 8.140 2480	69.2 5.998 2237	72.3 4.742 2453	71.1 5.156 2520	64.3 7.722 2518	55.9 8.547 2588	42.8 9.310 2540	33.3 10.538 2610	51.9 17.568 29685	
15-17	29.7 11.989 2484	33.9 10.196 2274	41.0 10.718 2491	52.1 8.570 2496	61.6 7.817 2430	69.5 5.820 2191	72.6 4.676 2412	71.3 4.895 2508	64.4 7.545 2494	55.8 8.475 2588	42.6 9.233 2532	33.5 10.341 2601	52.1 17.378 29401	
18-20	25.6 11.598 2334	30.5 9.659 2119	38.0 10.625 2323	49.6 8.535 2486	59.9 7.697 2329	68.1 5.754 2099	71.3 4.718 2224	69.5 5.167 2329	61.9 7.772 2336	52.3 8.815 2407	38.8 9.299 2358	29.6 10.106 2392	49.5 18.092 27536	
21-23	23.4 11.874 2287	27.8 9.740 2094	34.8 10.533 2301	46.5 8.922 2271	57.0 8.050 2288	65.6 5.883 2121	68.8 4.996 2223	67.2 5.467 2255	59.3 8.165 2269	49.4 9.293 2345	36.5 9.664 2302	27.5 10.376 2331	46.9 18.190 27087	
ALL HOURS	24.4 12.601 19091	28.6 10.619 17382	35.7 11.245 19210	47.5 9.661 18764	57.8 8.740 19072	66.3 6.484 17409	69.6 5.509 18700	68.2 5.896 19294	60.6 8.689 19134	51.1 9.815 19757	38.1 10.184 19274	28.8 10.889 19694	48.0 18.434 226781	

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13947 FJRT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION		STATION NAME												YEARS
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	17.0	21.3	27.3	39.3	51.5	61.4	64.2	62.9	54.9	44.4	31.3	22.1	41.5
	S D	14.286	11.488	11.691	10.546	9.278	6.367	5.880	6.289	9.149	10.468	11.023	11.605	19.494
	TOTAL OBS	2278	2020	2279	2336	2271	2130	2219	2271	2244	2322	2248	2291	26809
03-05	MEAN	16.0	20.2	26.4	38.8	50.5	60.4	63.3	62.2	54.2	43.4	30.7	21.2	40.7
	S D	14.451	11.593	11.783	10.783	9.505	6.460	5.845	6.226	9.414	10.625	11.119	11.693	19.588
	TOTAL OBS	2282	2033	2302	2241	2303	2134	2246	2324	2284	2360	2256	2304	27069
06-08	MEAN	15.5	19.3	26.3	39.5	51.5	61.5	64.2	63.0	54.6	43.7	30.4	20.6	40.8
	S D	14.408	11.781	11.653	10.910	9.370	6.422	5.666	6.133	9.527	10.553	11.080	11.984	20.107
	TOTAL OBS	2449	2284	2509	2439	2474	2244	2461	2516	2475	2548	2500	2542	29441
09-11	MEAN	15.5	21.5	28.5	41.0	53.0	62.5	65.0	64.0	55.5	45.5	32.7	23.0	42.5
	S D	14.135	11.626	11.812	11.298	10.055	6.876	5.841	6.294	9.477	10.598	10.898	11.798	19.799
	TOTAL OBS	2484	2281	2507	2451	2496	2253	2461	2541	2514	2598	2537	2623	29746
12-14	MEAN	20.6	24.0	29.4	41.0	53.1	63.1	65.2	63.8	56.1	45.7	33.3	24.8	43.3
	S D	13.722	11.478	11.602	11.520	10.513	7.242	6.326	6.582	9.875	11.162	11.029	11.652	19.109
	TOTAL OBS	2490	2278	2498	2444	2480	2237	2493	2550	2518	2588	2540	2610	29686
15-17	MEAN	21.2	24.3	29.6	40.9	53.2	63.0	65.0	63.5	55.8	45.5	33.1	25.1	43.2
	S D	13.642	11.618	11.489	11.351	10.358	7.254	6.515	6.612	9.815	11.230	11.135	11.580	18.911
	TOTAL OBS	2484	2274	2491	2396	2430	2191	2412	2508	2494	2588	2532	2601	29401
18-20	MEAN	19.5	23.4	29.2	40.7	53.6	63.4	65.7	63.9	56.1	45.9	32.5	23.7	43.0
	S D	13.523	11.428	11.671	11.047	9.657	6.825	6.148	6.539	9.315	10.539	10.899	11.429	19.327
	TOTAL OBS	2334	2119	2323	2286	2329	2099	2224	2329	2336	2407	2358	2392	27536
21-23	MEAN	18.2	22.3	28.5	40.3	53.0	62.7	65.1	63.4	55.4	45.0	31.6	22.7	42.2
	S D	13.747	11.303	11.567	10.572	9.095	6.409	5.950	6.390	9.044	10.367	10.864	11.593	19.420
	TOTAL OBS	2287	2094	2301	2271	2288	2121	2223	2255	2269	2345	2302	2331	27087
ALL HOURS	MEAN	18.3	22.1	28.1	40.2	52.4	62.3	64.8	63.4	55.5	44.9	32.0	22.9	42.2
	S D	14.124	11.663	11.724	11.046	9.804	6.815	6.075	6.416	9.497	10.744	11.054	11.761	19.497
	TOTAL OBS	19088	17383	19210	18764	19071	17409	18699	19294	19134	19756	19273	19694	226775

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

13947 STATION    FORT RILEY KANSAS/MARSHALL AAF STATION NAME    38-50,56-72 PERIOD    ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.9	95.9	87.8	74.4	56.6	36.0	14.8	71.9	19086
FEB		100.0	99.6	97.4	92.3	83.4	70.7	54.0	34.4	13.9	70.0	17378
MAR		100.0	98.5	92.7	84.7	73.6	58.5	42.8	26.1	10.8	64.4	19206
APR		100.0	98.4	92.4	81.4	68.1	54.0	38.8	23.0	8.6	62.1	18763
MAY		100.0	99.6	96.9	88.9	76.9	62.1	46.1	29.4	10.9	66.7	19070
JUN		100.0	100.0	98.9	95.0	84.6	68.9	51.6	32.4	11.2	69.0	17407
JUL		100.0	99.9	97.1	88.8	74.5	56.9	39.9	23.2	6.9	64.3	18686
AUG		100.0	99.9	97.4	88.1	73.3	57.2	40.8	25.1	8.3	64.7	19289
SEP		100.0	99.4	95.8	87.9	76.0	61.7	46.9	31.0	12.6	66.8	19131
OCT		100.0	99.4	94.3	84.6	73.1	59.4	45.5	30.4	14.7	65.8	19749
NOV		100.0	99.9	97.8	90.9	80.4	67.5	51.1	32.5	13.2	68.9	19272
DEC		100.0	99.8	98.4	94.4	87.1	74.9	58.5	37.7	15.9	72.0	19690
TOTALS		100.0	99.5	96.6	89.4	78.2	63.9	47.7	30.1	11.8	67.3	226727



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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

### RELATIVE HUMIDITY

13947 STATION      FORT NILEY KANSAS/MARSHALL AAF STATION NAME      39-45, 47-50, 56-72 PERIOD      FEB MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	99.7	98.3	94.7	83.2	68.8	46.7	18.6	76.5	2020
	03-05	100.0	100.0	99.9	98.9	95.8	88.3	74.6	50.7	20.6	78.3	2032
	06-08	100.0	100.0	99.9	98.8	96.5	89.5	75.6	50.5	20.6	78.6	2283
	09-11	100.0	100.0	98.7	94.8	86.3	68.8	48.3	27.5	10.4	69.0	2280
	12-14	100.0	99.1	93.0	83.0	64.4	47.0	30.1	17.8	7.3	59.6	2276
	15-17	100.0	97.6	91.1	76.3	60.7	44.6	28.7	17.1	7.1	57.8	2274
	18-20	100.0	99.7	96.8	91.5	78.5	63.6	45.9	26.5	11.5	66.9	2119
	21-23	100.0	100.0	99.4	96.7	90.4	78.8	60.3	38.5	15.1	73.3	2094
TOTALS		100.0	99.6	97.4	92.3	83.4	70.7	54.0	34.4	13.9	70.0	17378





















U S AIR FORCE  
 ENVIRONMENTAL TECHNICAL  
 APPLICATIONS CENTER

PART F

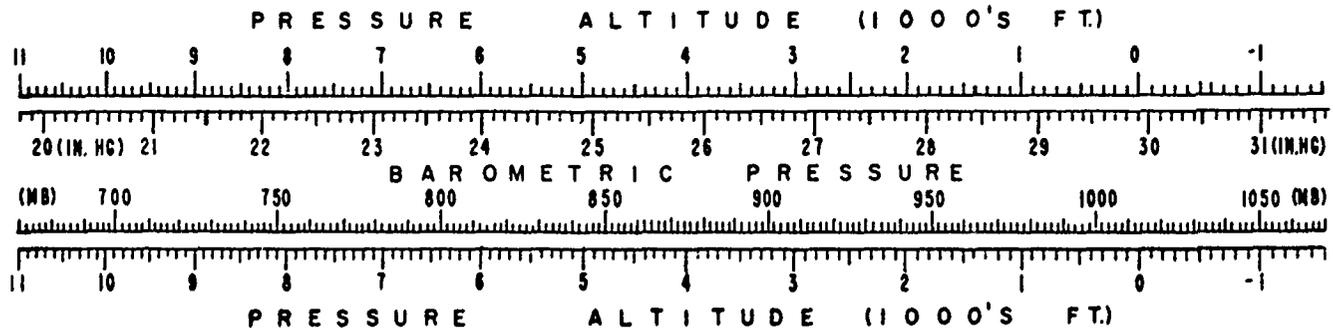
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
 METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



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 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 46-50,56-63,65-72

HRS (LST)	MEAN	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	S D TOTAL OBS	28.986 .249 524	28.943 .240 446	28.861 .244 490	28.809 .225 475	28.795 .181 479	28.773 .140 445	28.829 .108 464	28.838 .112 509	28.868 .155 510	28.878 .192 526	28.903 .236 510	28.939 .239 527	28.870 .210 5905
03	S D TOTAL OBS	28.984 .236 524	28.941 .242 447	28.851 .248 494	28.799 .235 475	28.789 .187 480	28.768 .142 449	28.826 .108 463	28.837 .111 510	28.869 .157 510	28.879 .196 527	28.899 .240 510	28.938 .242 527	28.867 .214 5916
06	S D TOTAL OBS	28.971 .263 565	28.940 .241 521	28.859 .249 561	28.812 .244 541	28.817 .184 548	28.786 .143 484	28.851 .115 539	28.856 .113 576	28.884 .159 563	28.887 .198 577	28.904 .242 571	28.934 .246 581	28.877 .214 6627
09	S D TOTAL OBS	28.997 .265 563	28.969 .240 504	28.883 .253 559	28.833 .248 546	28.832 .186 554	28.802 .145 485	28.866 .115 542	28.872 .115 585	28.903 .165 568	28.910 .202 592	28.930 .246 584	28.957 .248 606	28.898 .217 6688
12	S D TOTAL OBS	28.990 .268 564	28.963 .239 502	28.868 .255 552	28.817 .240 543	28.818 .183 546	28.789 .144 480	28.853 .114 537	28.857 .115 586	28.884 .163 570	28.889 .200 578	28.914 .246 575	28.947 .247 607	28.884 .217 6640
15	S D TOTAL OBS	28.938 .259 560	28.907 .237 504	28.820 .249 556	28.776 .232 542	28.779 .179 550	28.756 .143 481	28.820 .114 540	28.818 .115 581	28.839 .158 571	28.840 .194 587	28.870 .238 577	28.903 .245 603	28.840 .211 6652
18	S D TOTAL OBS	28.959 .247 527	28.909 .236 474	28.811 .244 507	28.765 .226 489	28.753 .175 497	28.731 .143 438	28.783 .109 460	28.793 .116 529	28.828 .155 529	28.845 .192 545	28.881 .229 536	28.914 .238 552	28.834 .211 6083
21	S D TOTAL OBS	28.960 .248 524	28.935 .234 472	28.847 .238 496	28.795 .221 488	28.781 .172 497	28.752 .141 436	28.805 .110 463	28.818 .116 510	28.859 .155 532	28.872 .192 546	28.901 .230 537	28.932 .238 546	28.859 .209 6055
ALL HOURS	S D TOTAL OBS	28.975 .258 4351	28.938 .239 3870	28.850 .248 4215	28.801 .235 4099	28.797 .183 4121	28.770 .144 3698	28.831 .115 4008	28.837 .116 4394	28.867 .160 4353	28.875 .197 4478	28.900 .239 4400	28.933 .243 4549	28.866 .214 50566

4  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

13947 FORT RILEY KANSAS/MARSHALL AAF 38-50,56-72

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN S. D. TOTAL OBS	1021.9 9.246 771	1020.0 8.718 674	1016.9 8.858 757	1014.3 8.221 747	1013.5 6.588 756	1012.3 5.332 700	1014.2 3.971 740	1014.2 4.154 757	1016.0 5.691 749	1017.1 7.046 774	1018.7 8.787 750	1020.2 8.733 766	1016.6 7.900 8941
03	MEAN S. D. TOTAL OBS	1021.8 9.465 771	1019.8 8.812 674	1016.6 8.966 762	1014.0 8.527 745	1013.2 6.725 756	1012.1 5.426 701	1014.1 3.923 741	1014.1 4.142 757	1015.9 5.756 749	1017.1 7.134 774	1018.6 8.944 749	1020.1 8.828 765	1016.5 8.024 8944
06	MEAN S. D. TOTAL OBS	1021.5 9.643 811	1019.9 8.836 761	1017.0 9.032 824	1014.5 8.785 790	1014.1 6.755 799	1012.9 5.452 715	1014.9 4.106 797	1014.9 4.198 821	1016.6 5.834 800	1017.6 7.239 824	1018.5 8.992 816	1020.0 8.898 819	1016.9 8.002 9571
09	MEAN S. D. TOTAL OBS	1022.3 9.714 840	1021.0 8.836 754	1017.8 9.123 812	1015.2 8.897 798	1014.5 6.770 807	1013.4 5.556 717	1015.4 4.154 803	1015.5 4.248 844	1017.3 5.966 837	1018.4 7.250 871	1019.8 9.131 852	1021.0 8.902 874	1017.7 8.122 9869
12	MEAN S. D. TOTAL OBS	1021.8 9.730 841	1020.7 8.739 728	1017.2 9.211 801	1014.5 8.666 795	1014.0 6.678 799	1012.9 5.463 716	1014.9 4.106 801	1014.8 4.284 848	1016.5 5.909 840	1017.5 7.221 857	1018.9 9.086 845	1020.4 8.939 877	1017.1 8.081 9748
15	MEAN S. D. TOTAL OBS	1020.1 9.502 838	1018.8 8.649 730	1015.4 9.035 805	1013.1 8.402 793	1012.7 6.522 805	1011.8 5.388 715	1013.7 4.103 804	1013.4 4.281 842	1014.9 5.768 840	1015.7 7.023 866	1017.5 8.816 847	1018.9 8.800 871	1015.5 7.881 9755
18	MEAN S. D. TOTAL OBS	1020.9 9.220 805	1018.8 8.569 721	1015.3 8.867 784	1012.9 8.178 761	1012.0 6.402 773	1011.0 5.325 692	1012.6 3.954 740	1012.7 4.258 791	1014.6 5.686 798	1016.0 6.963 823	1018.1 8.519 803	1019.5 8.605 822	1015.4 7.942 9313
21	MEAN S. D. TOTAL OBS	1021.9 9.204 772	1019.7 8.548 698	1016.5 8.700 767	1014.0 8.100 762	1013.0 6.306 774	1011.8 5.321 689	1013.4 3.944 742	1013.6 4.265 767	1015.7 5.697 776	1016.9 7.036 794	1018.8 8.533 777	1020.1 8.665 785	1016.3 7.889 9097
ALL HOURS	MEAN S. D. TOTAL OBS	1021.5 9.491 8449	1019.8 8.742 5740	1016.6 9.010 6112	1014.1 8.508 6191	1013.4 6.639 6269	1012.3 5.455 5645	1014.2 4.125 6168	1014.2 4.312 6427	1015.9 5.849 6383	1017.0 7.159 6582	1018.6 8.877 6433	1020.0 8.815 6579	1016.5 8.014 75178